MAILED
2-1-11

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

February 1, 2011

Mr. Russell Huotari
2140 W. Holly Street
Sidney, MT 59270-5700

RE: **CLOSED RICHLAND COUNTY LANDFILL – LICENSE #102**
OCTOBER 2010 SAMPLING REPORT
DECEMBER 2010 SAMPLING AND ANALYSIS PLAN

Dear Mr. Huotari:

The Solid Waste Program (SWP) has reviewed the above noted reports for the closed Richland County Class II Landfill, License #102, in Sidney, Montana. The groundwater sampling report meets the requirements of the Administrative Rule of Montana (ARM) Title 17, Chapter 50, Subchapter 13.

The groundwater monitoring parameter list on the final page of the Sampling and Analysis Plan (SAP) was revised to reflect the changes approved by the SWP in our November 23, 2010 letter. The approved groundwater monitoring parameter list is as follows:

- Barium(spring only)
- Chloride
- Nitrate + Nitrite
- Selenium (spring only)
- Sulfate
- pH
- Specific conductance
- 40 CFR Part 258 Appendix I VOCs + Dichlorodifluoromethane

With this revision the SAP is approved by the SWP and will be included in our files. Please use the procedures described in this document for all future sampling events.

If you have any questions or comments regarding this review, please contact me at the Permitting and Compliance Division, Waste and Underground Tank Management Bureau, Solid Waste Section.

Sincerely,

Martin Van Oort
Environmental Science Specialist
Solid Waste Program
Phone: 406-444-2802, Fax: 406-444-1374
E-mail: mvanoort@mt.gov

cc: Mr. Kelly Logan, Richland County Sanitarian, 1201 West Holly St., Suite 5, Sidney, MT 59270
Richland County Commissioners, 201 W Main, Sidney, MT 59270-4087

File: Closed\Richland Co.\Richland Co. Class II\License #102\Ground Water Monitoring
Closed\Richland Co.\Richland Co. Class II\License #102\Ground Water Reports
Path: G:\WUT\SWS\GWater\Responses\Richland Co\2010-10_richland_#102_GW+SAP.docx

Correspondence Slip

Originator: MVO

Date Requested: 1/31/11

Date Needed By: 2/2/11

REVIEW ROUTING

Name	Task	Initial/Date
Admin	Proof	Jh / 1-31
Mary H	Review	2-1
Rick	↓	KT / 2-1-1
		/

Mail original via: ☒ Regular ○ Certified ○ Registered ○ FedEx

Fax to addressee at:

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Special Instructions:

Mail copy of enclosures to CC's? Y [✓ N]

Copies of enclosures for file needed? Y [✓ N]

Copy of letter for file needed? [✓ Y] N

Email copies sent? Y [✓ N]

EMAIL copy sent to Project Originator? Y N

MAILED
11-23-10

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

P.O. Box 200901 ◦ Helena, MT 59620-0901 ◦ (406) 444-2544 ◦ www.deq.mt.gov

November 23, 2010

Mr. Russell Huotari
2140 W. Holly Street
Sidney, MT 59270-5700

RE: CLOSED RICHLAND COUNTY LANDFILL – LICENSE #102
JULY 2010 SAMPLING REPORT
REPORT OF INVESTIGATION AND MONITORING ACTIVITIES – JULY AND AUGUST 2010

Dear Mr. Huotari:

The Department has reviewed the above noted reports for the closed Richland County Class II Landfill, License #102, in Sidney, Montana. The initial data from the new wells, SL-10 through SL-15, indicate that the full lateral extent of the VOC plume north of the landfill has been delineated.

The data gathered during these investigations should be used to prepare a Corrective Measures Assessment (CMA) to evaluate potential remediation options for the groundwater VOC plume. Based on the decreasing low concentrations of methane detected during routine monitoring, the passive landfill gas venting system already in place appears to have been effective in controlling landfill gas at this site. However, this landfill gas remediation has not resulted in corresponding remediation of the groundwater plume. For this reason, the Department will not approve an active gas system as a further remedial option. A draft of the CMA should be submitted to the Department for review by February 21, 2011.

The sampling parameters and schedule presented in the report are acceptable with the following revisions:

- Well SL-14 does not need to be sampled at this time because well SL-11 will detect any VOCs first.
- Static water levels should continue to be measured in SL-14 and SL-15, if water is present.
- Selenium should continue to be analyzed annually in SL-1 through SL-4.

Please finalize the facility Sampling and Analysis Plan including these revisions and submit it to the Department by December 23, 2010.

If you have any questions or comments regarding this review, please contact me at the Permitting and Compliance Division, Waste and Underground Tank Management Bureau, Solid Waste Section.

Sincerely,

Martin Van Oort
Environmental Science Specialist
Solid Waste Program
Phone: 406-444-2802, Fax: 406-444-1374
E-mail: mvanoort@mt.gov

cc: Mr. Kelly Logan, Richland County Sanitarian, 1201 West Holly St., Suite 5, Sidney, MT 59270
Richland County Commissioners, 201 W Main, Sidney, MT 59270-4087
Mark F. Pearson, Tetra Tech, 851 Bridger Drive, Suite 6, Bozeman, MT 59715

File: Closed\Richland Co.\Richland Co. Class II\License #102\Ground Water Monitoring
Closed\Richland Co.\Richland Co. Class II\License #102\Ground Water Reports
Path: G:\WUT\SWS\GWater\Responses\Richland Co\2010-07_&_08_richland_#102_GW.docx

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07-02-10 mfm

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

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July 1, 2010

Mr. Russell Huotari
2140 W. Holly Street
Sidney, MT 59270-5700

RE: **CLOSED RICHLAND COUNTY LANDFILL – LICENSE #102**
REPORT OF INVESTIGATION AND MONITORING ACTIVITIES – NOVEMBER & DECEMBER 2009
REPORT OF APRIL 2010 GROUNDWATER SAMPLING
MAY 2010 PROPOSAL FOR ADDITIONAL INVESTIGATION AND MONITORING ACTIVITIES

Dear Mr. Huotari:

The Department has reviewed the above noted reports for the closed Richland County Class II Landfill, License #102, in Sidney, Montana. The groundwater sampling report meets the requirements of the Administrative Rule of Montana (ARM) Title 17, Chapter 50, Subchapter 13 with the following exception:

- The rate of groundwater flow must be calculated each time a well is sampled as required in ARM 17.50.1305(5). The groundwater velocity is calculated using the formula: $v = k * i / n$ where, v is the velocity, k is the hydraulic conductivity, i is the groundwater gradient, and n is the effective porosity. The average hydraulic conductivity from the recent slug tests was 16.2 feet/day. A typical effective porosity for sand and gravel is 0.25. The gradient should be calculated after each sampling event by dividing the difference in water elevation in two wells by the distance between the wells. Using the gradients from well pairs SL-8/SL-7 and SL-4/SL-7 should give a reasonable range of gradients for the site. Please include a calculation of groundwater velocity in future groundwater sampling reports.

Thank you for including the data from the additional spring and residential well north of the landfill. The results show that these locations have not been impacted by the VOC plume emanating from the landfill. Because of its location nearer to the landfill, Almond's spring may be a better location to include in the semi-annual sampling instead of spring S-3.

The facility remains in corrective action with semi-annual monitoring at this time. As requested in the May 2010 proposal, future groundwater sampling events for this facility may include analysis for VOCs only at all of the new wells, SL-6 through SL-9 and the wells proposed to be installed in 2010. Wells SL-1 through SL-4, as the point of compliance wells for the facility, must continue to be sampled for the full Department approved analyte list. If the facility wishes to reduce the analyte list for the point of compliance wells, a formal request, with justification for the proposed reductions, must be submitted to the Department in writing.

Regarding the work plan for additional investigations, the department approves the plan with the following condition:

- Because PCE concentrations in both wells SL-3 and SL-9 are above the MCL, at least one well should be installed west of SL-9 to define the western boundary of contamination.

The additional sampling planned for July 2010 does not need to include well SL-5, because VOC concentrations have typically been low at this well.

If you have any questions or comments regarding this review, please contact me at the Permitting and Compliance Division, Waste and Underground Tank Management Bureau, Solid Waste Section.

Sincerely,

Martin Van Oort
Environmental Science Specialist
Solid Waste Program
Phone: 406-444-2802, Fax: 406-444-1374
E-mail: mvanoort@mt.gov

cc: Mr. Kelly Logan, Richland County Sanitarian, 1201 West Holly St., Suite 5, Sidney, MT 59270
Richland County Commissioners, 201 W Main, Sidney, MT 59270-4087
Mark F. Pearson, Tetra Tech, 851 Bridger Drive, Suite 6, Bozeman, MT 59715

File: Closed\Richland Co.\Richland Co. Class II\License #102\Ground Water Monitoring
Closed\Richland Co.\Richland Co. Class II\License #102\Ground Water Reports
Path: G:\WUT\SWS\GWater\Responses\Richland Co\2010-04_richland_#102_GW+workplan.doc

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Correspondence Slip

Originator: MVO

Date Requested: 6/30/10

Date Needed By: 7/2/10

REVIEW ROUTING

Name	Task	Initial/Date
Admin	Proof	6-30-10
Mary H	Review	6-30
Darrell	Review	6-30
Rick	Review	7-1-2010

Mail original via:
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EMAIL copy sent to Project Originator? Y N

MAILED
3-18-10

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor
Richard H. Opper, Director

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March 18, 2010

Mr. Russell Huotari
2140 W. Holly Street
Sidney, MT 59270-5700

RE: **CLOSED RICHLAND COUNTY LANDFILL – LICENSE #102**
NOVEMBER/DECEMBER 2009 GROUNDWATER SAMPLING REPORT

Dear Mr. Huotari:

The Department has reviewed the November/December 2009 Groundwater Sampling Report for the closed Richland County Class II Landfill, License #102, in Sidney, Montana. The groundwater sampling report meets the requirements of the Administrative Rule of Montana (ARM) 17.50.708 with the following exceptions:

- The rate of groundwater flow must be calculated each time a well is sampled as required in ARM 17.50.708(4)(a). Please include a calculation of groundwater velocity in future groundwater sampling reports.

ARM 17.50.709(2) requires that records of well installation be submitted to the Department within 90 days of the start of work. Please submit the construction details and lithologic logs for the new wells to the Department at your earliest convenience.

The results of the initial sampling at the newly installed wells, MW-6 through MW-9, are a concern to the Department. The widespread presence of concentrations of Tetrachloroethene greater than the MCL demonstrates significant degradation of the groundwater north of the closed landfill has occurred. Because all of the new wells showed contamination, the extent of the plume is not yet defined, and likely extends a significant distance beyond the current monitoring well network. While another sampling event is necessary to confirm the results, additional investigations to define the full extent of the plume both to the north and west of the landfill may be necessary.

The Department recommends that you and your consultants consider using a method for further investigations which returns results in the field, thus allowing you to define the plume without the necessity of installing many more monitoring wells. Field screening techniques for VOCs are available which employ traditional drilling or direct push methods. If direct push equipment are capable of reaching the water table at the site, these methods are often quicker and more cost effective than traditional drilling methods. While field screening techniques do not provide the accuracy or reliability of tradition monitoring well samples, they can be used to define the plume and guide the placement of a few strategically located monitoring wells.

MAILED

The facility remains in corrective action with semi-annual monitoring at this time. If you have any questions or comments regarding this review, please contact me at the Permitting and Compliance Division, Waste and Underground Tank Management Bureau, Solid Waste Section.

Sincerely,

Martin Van Oort
Environmental Science Specialist
Solid Waste Program
Phone: 406-444-2802, Fax: 406-444-1374
E-mail: mvanoort@mt.gov

cc: Mr. Kelly Logan, Richland County Sanitarian, 1201 West Holly St., Suite 5, Sidney, MT 59270
Richland County Commissioners, 201 W Main, Sidney, MT 59270-4087
Kirk Miller, Tetra Tech, 303 Irene Street, Helena, MT 59601

File: Closed\Richland Co.\Richland Co. Class II\License #102\Ground Water Monitoring
Path: G:\WUT\SWS\GWater\Responses\Richland Co\2009-11_richland_#102_GW.doc

Correspondence Slip

Project ID:

Requested: 3/16/10

Needed By: 3/18/10

Originator: MVO

Org(s)/Mail Code:

REVIEW ROUTING

Name	Task	Initial/Date
Admin	Proof	3-16-10
Mark H	Review	3-17
Rick	Review	RT 3-18-2010
		/

Mail original via:
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Fax to addressee at:

Proof Path: G:\WUT\ see letter

Special Instructions:

Mail copy of enclosures to CC's? Y [✓ N]

Copies of enclosures for file needed? Y [✓ N]

Copy of letter for file needed? [✓ Y] N

MAILED
9-1-09

Montana Department of
ENVIRONMENTAL QUALITY
Brian Schweitzer, Governor
P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

September 1, 2009

Mr. Russell Huotari
2140 W. Holly Street
Sidney, MT 59270-5700

RE: **CLOSED RICHLAND COUNTY LANDFILL – LICENSE #102**
MAY 2009 GROUNDWATER SAMPLING REPORT

Dear Mr. Huotari:

The Department has reviewed the May 2009 Groundwater Sampling Report for the closed Richland County Class II Landfill in Sidney, Montana. The groundwater sampling report meets the requirements of the ARM 17.50.708 with the following exceptions:

- The rate of groundwater flow must be calculated each time a well is sampled as required in ARM 17.50.708 (4)(a). Please include a calculation of groundwater velocity in future groundwater sampling reports.

The Department provides the following comments for your consideration:

- The results of the Matrix Spike and Matrix Spike Duplicate analyses performed for Sulfate and Chloride using the sample from SL-4 were outside control limits. The Sulfate and Chloride results from this sampling event may be biased high.
- Two vials for VOC analyses were broken on receipt by the laboratory. In the future please take care in packing the sample bottles to prevent breakage during shipment.

In general, a more detailed report providing a narrative of the sampling event and a thorough discussion of the sampling results and statistical analyses is requested. The report should be specific in addressing the groundwater sampling results for each monitoring well and how those results tie into the overall groundwater quality of the facility. The report should also discuss the changes in groundwater quality over time in terms of long and short term trends and the statistical significance of those trends in relation to the groundwater protection standards and the effectiveness of the corrective measures.

When determining the post methane system trends for tetrachloroethene, data from the sampling event immediately prior to installation of the methane system to the current sampling event should be used. The current trends using data from October 2001 to May 2009 are attached for your reference. When evaluating linear least-squares trends, the Department considers trends with R^2 values of >0.5 significant. An R^2 value of >0.5 indicates that >50% of the variation present in the data can be attributed to the trend. The attached graphs show that there are no significant trends at SL-2 and SL-3. SL-4 shows a significant decreasing trend.

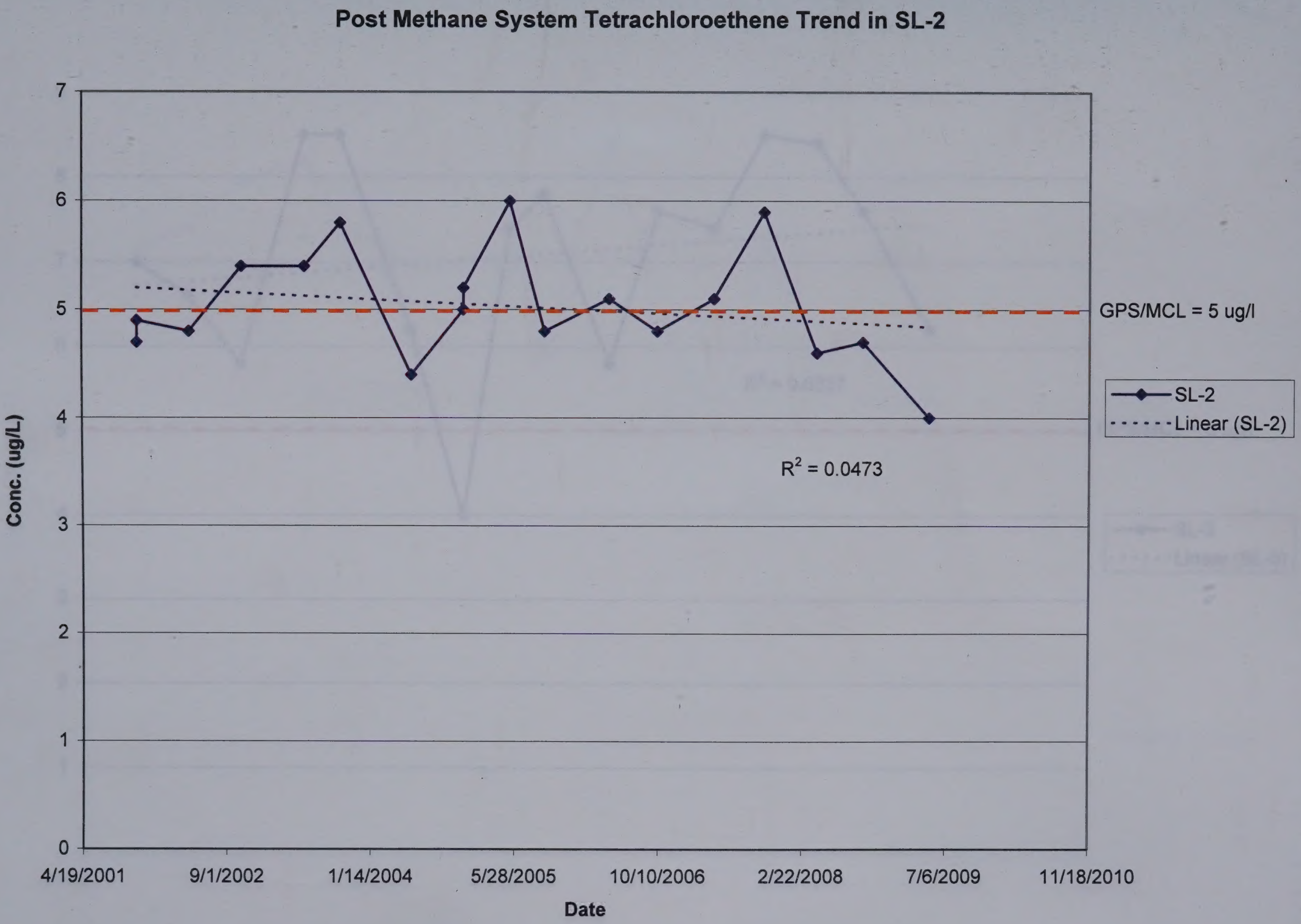
The facility remains in corrective action with semi-annual monitoring at this time. If you have any questions or comments regarding this review, please contact me at the Permitting and Compliance Division, Waste and Underground Tank Management Bureau, Solid Waste Section.

Sincerely,

Martin Van Oort
Environmental Science Specialist
Solid Waste Program
Phone: 406-444-2802, Fax: 406-444-1374
E-mail: mvanoort@mt.gov

File: Closed\Richland Co.\Richland Co. Class II\License #102\Ground Water Monitoring
Path: G:\WUT\SWS\GWater\Responses\Richland Co\2009-05_richland_#102_GW.doc
cc: Mr. Kelly Logan, Richland County Sanitarian, 1201 West Holly St., Suite 5, Sidney, MT 59270
Richland County Commissioners, 201 W Main, Sidney, MT 59270-4087

Attachment: Post Methane System Trends for Tetrachloroethene in SL-2, SL-3, and SL-4


Post Methane System Tetrachloroethene Trend in SL-2
Conc. (ug/L)
7
6
5
4
3
2
1
0
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
Date
GPS/MCL = 5 ug/l
SL-2
Linear (SL-2)
R² = 0.0473

Correspondence Slip

Name:

Requested: 8/31/09

Needed By: 9/2/09

Originator: MVO

Org(s)/Mail Code:

REVIEW ROUTING

Name	Task	Initial/Date
Admin	Proof	/ 8-31
Darrell	Review	Das / 8/31
Rick	Review	RT / 8-31-09
		/

Mail original via:
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Fax to addressee at:

Special/Mailing Instructions:

4 copies of enclosure attached.

Mail copy of enclosures to CC's? [✓ Y] N

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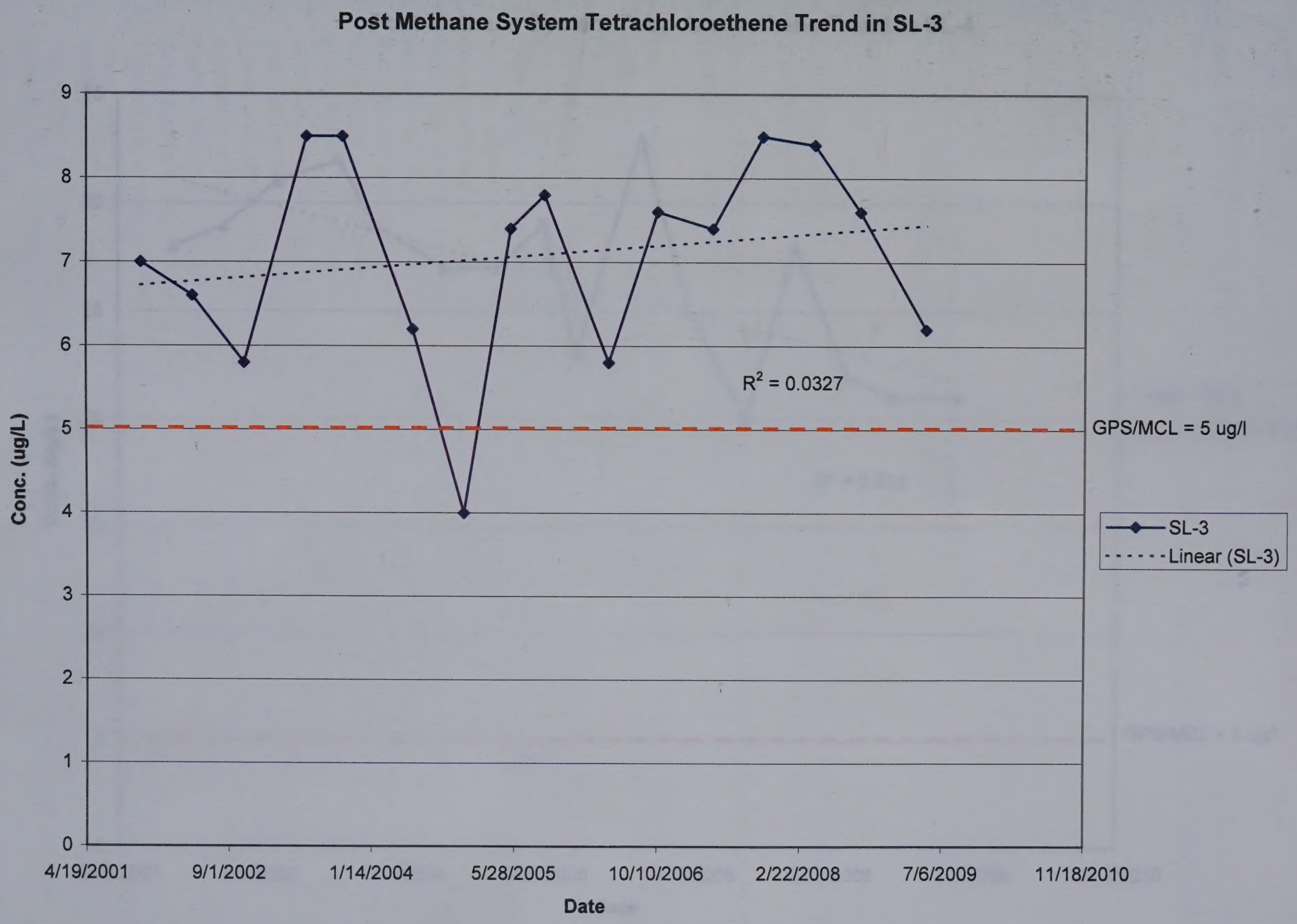
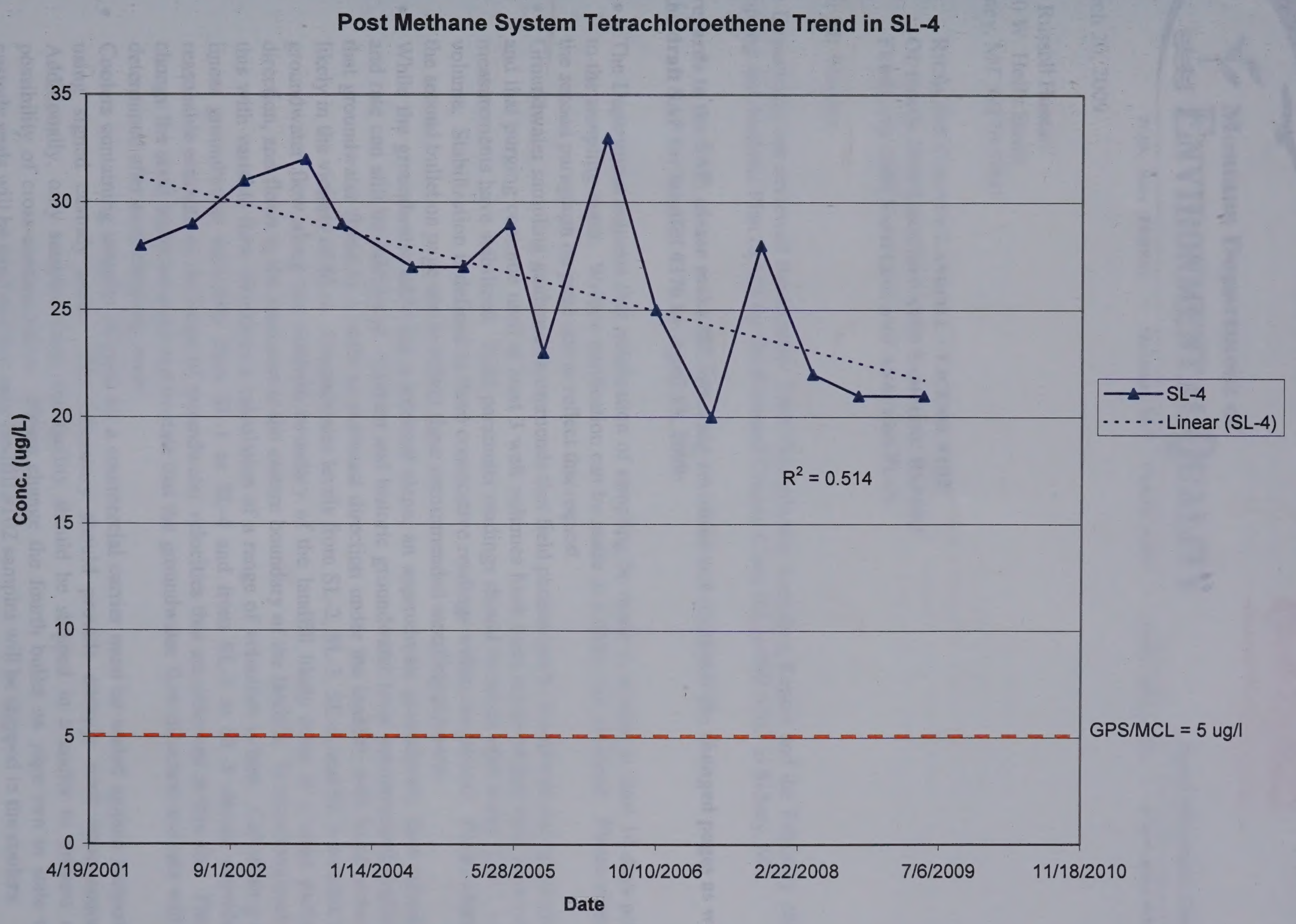

Post Methane System Tetrachloroethene Trend in SL-3
9
8
7
6
5
4
3
2
1
0
Conc. (ug/L)
R² = 0.0327
GPS/MCL = 5 ug/l
SL-3
Linear (SL-3)
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
Date


Post Methane System Tetrachloroethene Trend in SL-4
Conc. (ug/L)
35
30
25
20
15
10
5
0
4/19/2001
9/1/2002
1/14/2004
5/28/2005
10/10/2006
2/22/2008
7/6/2009
11/18/2010
Date
SL-4
Linear (SL-4)
R^2 = 0.514
GPS/MCL = 5 ug/l

Montana Department of
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Brian Schweitzer, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

MAILED
3-23-09

March 20, 2009

Mr. Russell Huotari
2140 W. Holly Street
Sidney, MT 59270-5700

RE: **RICHLAND COUNTY LANDFILL – LICENSE #102**
OCTOBER 2008 GROUNDWATER SAMPLING REPORT
FEBRUARY 2009 SAMPLING AND ANALYSIS PLAN

Dear Mr. Huotari:

The Department has reviewed the October 2008 Groundwater Sampling Report and the February 2009 Sampling and Analysis Plan (SAP) for the Richland County Class II Landfill #102 in Sidney, MT.

In regards to the SAP, please make the following revisions and resubmit the changed pages as well as the draft SAP for landfill #376 by April 19, 2009:

- The Department requests that notification of sampling be made in writing at least 14 days prior to the sampling event. Written notification can be made in a letter, fax, or email. Please change the second paragraph on page one to reflect this request.
- Groundwater sampling guidance recommends that field parameters be monitored during purging, and that purging continue until at least 3 well volumes have been removed and field parameter measurements have stabilized. Field parameter readings should be taken after every ½ to 1 well volume. Stabilization is defined as three consecutive readings within ten percent. Please change the second bullet on page one to reflect these recommended sampling practices.
- While the groundwater table has a minimal slope, an approximate groundwater flow direction and rate can still be calculated. Current and historic groundwater level measurements indicate that groundwater flows in a north to northeast direction under the landfill, with local recharge likely in the vicinity of SL-1. Groundwater levels from SL-2, SL-3, SL-4, and SL-5 indicate the groundwater flow along the northern boundary of the landfill likely turns to a more easterly direction, and flows to the southeast at the eastern boundary of the landfill. In situations such as this with variable flow directions a calculation of a range of velocities is best. Calculating the linear groundwater velocities from SL-1 to SL-4 and from SL-3 to SL-5 should provide a reasonable estimate of the range of groundwater velocities that are observed at this site. Please change the sixth bullet on page one to state that the groundwater flow direction and rate will be determined after each sampling event.
- Coolers containing samples shipped by a commercial carrier must be sealed against tampering using signed custody seals. The laboratory should provide custody seals upon request. Additionally, only samples from one facility should be shipped in a cooler to prevent any possibility of cross-contamination. Please change the fourth bullet on page two to state that custody seals will be used and that only landfill #102 samples will be shipped in the coolers.

- Administrative Rule of Montana (ARM) 17.50.708(1)(c) states that the SAP should contain a Health and Safety Plan if sampling contaminated groundwater. Please prepare and include a Health and Safety Plan that includes the information listed in ARM 17.50.708(1)(c)(i-vi).

The groundwater sampling report meets the requirements of the ARM 17.50.708 with the following exceptions:

- Each semi-annual groundwater sampling report must include a calculation of groundwater velocity as specified in ARM 17.50.708 (4)(a). The calculation of groundwater velocities was discussed above.

Thank you for submitting the more detailed report as requested. The current report represents a significant improvement over previous submittals. While the Department does not agree with all the conclusions in the report, the detail in the report indicates that a thoughtful analysis of the groundwater monitoring results has been conducted. The Department's analysis and conclusions regarding the current groundwater quality at the facility were discussed in the Department's February 27, 2009 letter regarding corrective measures.

The facility remains in corrective action with semi-annual monitoring at this time. If at any time you have any questions, comments, or concerns, please do not hesitate to contact me directly at the Permitting and Compliance Division, Waste and Underground Tank Management Bureau, Solid Waste Program.

Sincerely,

Martin Van Oort
Environmental Science Specialist
Solid Waste Program
Phone: 406-444-2802, Fax: 406-444-1374
E-mail: mvanoort@mt.gov

File: Closed\Richland Co.\Richland Co. Class II\License#102\Ground Water Monitoring
Path: G:\WUT\SWS\GWater\Responses\Richland Co\2008-09_richland#102_review.doc
cc: Mr. Kelly Logan, Richland County Sanitarian, 221 5th St SW, Sidney, MT 59270
Richland County Commissioners, 201 W Main, Sidney, MT 59270-4087

Correspondence Slip

Project ID: ____________

Requested: 3/13/09

Needed By: ~~3/17/09~~ 3/20

Originator: MVD

Org(s)/Mail Code: ____________

REVIEW ROUTING

Name	Task	Initial/Date
Admin	Proof	Jh, 3-13-09
Mary H	Review	Mlle, 3-16
Darrell	Review	dlas, 3/18
Rick	Review	KT, 3-19-2009

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Copies of enclosures for file needed? Y [✓ N]

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2-27-09 gh

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

February 27, 2009

Mr. Russell Huotari
2140 W. Holly Street
Sidney, MT 59270-5700

Certified Mail # 7006 2150 0001 5296 1854

Richland County Commissioners
201 W. Main Street
Sidney, MT 59270-4087

Certified Mail # 7006 2150 0001 5296 1861

RE: **RICHLAND COUNTY LANDFILL - LICENSE #102**
FEBRUARY 2009 PROPOSAL FOR ADDITIONAL PASSIVE METHANE EXTRACTION TRENCHES

Dear Mr. Huotari and Commissioners:

The Department has reviewed the letter and drawing describing the proposed expansion of the passive methane extraction system at the closed Richland County Landfill #102 and I have spoken via telephone to Mr. Kelly Logan on February 24, 2009 to discuss the submittal. The submittal does not constitute an Assessment of Corrective Measures as described in ARM 17.50.710. Additionally, the Department does not believe that additional methane controls on the site will substantially impact the concentrations of chlorinated solvents in the groundwater north of the site.

As discussed with Mr. Logan in our telephone conversation on February 24, 2009, an Assessment of Corrective Measures should consider and compare multiple remedies and propose a selected remedy to the Department that meets the performance standards set forth in the rules as listed below:

> *ARM 17.50.710(7)(b) Remedies must:*
> *(i) Be protective of human health and the environment;*
> *(ii) Attain the ground water protection standard as specified pursuant to (5) of this rule;*
> *(iii) Control the source(s) of releases so as to reduce or eliminate, to the maximum extent practicable, further releases of Table 2 [ARM 17.50.708] constituents into the environment that may pose a threat to human health or the environment; and*
> *(iv) Comply with standards for management of wastes as specified in (8) of this rule.*
> *(v) Be approved by the department.*

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

MR RUSSELL HUOTARI
RICHLAND COUNTY LANDFILL
2140 WEST HOLLY STREET
SIDNEY MT 59270

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Colette Smith ☒ Agent ☐ Addresse

B. Received by (*Printed Name*) Colette Smith
C. Date of Delivery

MAR 2 2009
USPS

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7006 2150 0001 5296 1854

PS Form **3811**, February 2004 Domestic Return Receipt 102595-02-M-1540

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

RICHLAND COUNTY
COMMISSIONERS
201 WEST MAIN STREET
SIDNEY MT 59270

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Renae Young ☐ Agent ☐ Addressee

B. Received by (*Printed Name*) Renae Young
C. Date of Delivery 3/2/09

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
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4. Restricted Delivery? *(Extra Fee)* ☐ Yes

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PS Form **3811**, February 2004 Domestic Return Receipt 102595-02-M-154

Although the current passive gas extraction system installed in November 2001 was approved by the Department and this system combined with the low permeability cap on the landfill appears to have addressed ARM 17.50.710(7)(b)(iii), its impact regarding ARM 17.50.710(7)(b)(i) cannot be evaluated because the full nature and extent of the groundwater contamination has not been delineated.

The nature and extent of the Tetrachloroethene (PCE) plume to the north of the landfill is unknown because no monitoring has been conducted beyond the two contaminated wells (SL-3 and SL-4) except for spring S-3 close to one mile north of the landfill. The plume may extend 100 feet beyond these wells or more than half a mile, but the size of the plume cannot be determined without additional monitoring locations. The minimal concentrations of the degradation byproducts of PCE (Trichloroethene, cis-1,2-Dichloroethene, and Vinyl chloride) observed in the facility wells, indicates that natural attenuation of PCE is slow at this site and makes it more likely that the contaminant plume could extend longer distances from the source. Compliance with ARM 17.50.710(7)(b)(ii) has not been attained and the contribution of the passive gas extraction system toward obtaining this goal is unclear.

While PCE concentrations in SL-4 have decreased from a maximum concentration of 39 ug/L in May 1998 to a concentration of 21 ug/L in October 2008, over half of that decrease occurred prior to initiation of the passive gas extraction remedy. Further, the rate of decrease has not changed appreciably since construction of the gas extraction system in November 2001. Thus the observed decreases in concentration cannot be directly attributed to the current remedy, but are more likely due to a source reduction, a change in groundwater flow direction due to the capping of the landfill, or natural processes.

Additionally, PCE concentrations at SL-3 have not decreased, and have possibly increased, since the installation of the remedy. The concentration of PCE in SL-3 remains above the groundwater protection standard with no indication that it will decrease in the future.

Finally, ARM 17.50.710(7)(b)(ii) is enforced at the property boundary of the facility while well SL-4 lies 200 feet north of the property boundary. As a result, assuming a standard plume geometry, the concentration at the facility boundary would likely be greater than that at SL-4.

The remedies that are considered should include remedies that directly remediate the PCE plume in groundwater. Many options exist for remediation of VOCs in groundwater, ranging greatly in complexity from monitored natural attenuation to pump and treat systems, thus a qualified groundwater scientist should be consulted when comparing these options. A complete delineation of the nature and extent of the contaminant plume is required in ARM 17.50.710(4)(a)(i) and would aid greatly in determining the most effective remedy for this facility. While undertaking the hydrogeologic study necessary to completely evaluate the nature and extent of contamination will be an expense, in the long run it is more cost effective than selecting corrective measures through the 'trial and error' method which may result in implementing an additional remedy that proves not to be effective. In order to reduce the risk of selecting an ineffective remedy, many facilities implement a pilot scale test of the selected remedy for evaluation prior to building the complete remedial system.

Please submit a complete Assessment of Corrective Measures that meets the requirements discussed above to the Department by April 17, 2009. This constitutes a 60 day extension from the previous deadline and failure to meet this deadline will result in referral of this case to the Enforcement Division. A further extension will be considered if additional time is required to complete field work as part of a hydrogeologic study. If any field work is proposed please submit a work plan to the Department for approval at least 30 days prior to initiation of work.

If you have any questions or concerns, please do not hesitate to contact me directly at the Permitting and Compliance Division, Waste and Underground Tank Management Bureau, Solid Waste Program.

Sincerely,

Martin Van Oort
Environmental Science Specialist
Solid Waste Program
Phone: 406-444-2802, Fax: 406-444-1374
E-mail: mvanoort@mt.gov

File: Richland Co.\Richland Co. Class II\License#102\Ground Water Monitoring
Path: G:\WUT\SWS\GWater\Responses\Richland Co\2009-02_richland#102_CMA.doc
cc: Mr. Kelly Logan, Richland County Sanitarian, 221 5th St SW, Sidney, MT 59270

Correspondence Slip

Project ID: ____

Requested: 2-24-09

Needed By: 2-26-09

Originator: MVD

Org(s)/Mail Code: ____

REVIEW ROUTING

Name	Task	Initial/Date
Admin	Proof	Jh / 2-24-09
Mary H	Review	/ 2-26-09
Darrell	Review	/ 2/25/09
Rick	Review	/ 2-27-2009

Mail original via: ~~☒ Regular~~ [✓ ☒ Certified] ○ Registered ○ FedEx

Fax to addressee at:

Proof Path: G:\WUT\ See letter

Mail copy of enclosures to CC's? Y [✓ N]

Copies of enclosures for file needed? Y [✓ N]

Copy of letter for file needed? [✓ Y] N

Special Instructions:

Montana Department of
ENVIRONMENTAL QUALITY

Brian Schweitzer, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.mt.gov

MAILED
11-25-08

November 25, 2008

Mr. Russell Huotari
2140 W. Holly Street
Sidney, MT 59270-5700

RE: **RICHLAND COUNTY LANDFILL - LICENSE #102**
APRIL 2008 GROUNDWATER SAMPLING REPORT REVIEW
OCTOBER 2007 GROUNDWATER SAMPLING REPORT REVIEW

Dear Mr. Huotari:

The Department has reviewed the April 2008 and November 2007 Groundwater Sampling Reports for the Richland County Class II Landfill #102 in Sidney, MT. Thank you for you patience regarding the Department's response to your submittals. The reports meet the requirements of the Administrative Rules of Montana (ARM) 17.50.708 with the following exceptions:

- An updated Sampling and Analysis Plan (SAP) must be submitted which meets the requirements of ARM 17.50.708 (1). This document has been requested repeatedly by the Department and has not yet been received. In preparing this document, please review the "Solid Waste Disposal Facility Criteria Technical Manual" (EPA 530-R-93-017 November 1993, Chapter 5) and the "Guide for Sampling Ground-Water Monitoring Wells" (ASTM D 4448-01) as these references provide valuable information on proper purging, sampling, and sample handling techniques. Another excellent reference is "Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers" (EPA 542-S-02-001 May 2002), which is available online at: http://www.epa.gov/tio/tsp/download/gw_sampling_guide.pdf. As noted in these documents the use of bailers for monitoring well purging and sampling is discouraged unless absolutely necessary (less than 5 feet of water in the well and recovery rate less than 0.05 gpm). An alternate sampling method should be considered for future sampling events and if the use of bailers is determined to be necessary double check valve bailers should be used to provide the best possible analytical results. **A draft SAP must be submitted to the Department by February 23, 2009, or the facility will be cited for a Major Violation of MCA 75-10-207 (4) and ARM 17.50.708 (1) & (2).** When received, the Department will review the draft SAP for compliance with ARM 17.50.708 (1) and provide guidance on necessary revisions.
- Each semi-annual groundwater sampling report must include a calculation of groundwater velocity as specified in ARM 17.50.708 (4)(a), and statistical analyses that meet the standards set forth in ARM 17.50.708 (13)(a). The objective of the statistical analyses for facilities in corrective action is to demonstrate that the goals of the corrective action as stated in ARM 17.50.710 (7)(b) are being met, as well as continued monitoring for statistical exceedance of background water quality for parameters that are not the focus of the corrective actions. The current linear least-squares trend analysis is adequate for the purpose of evaluating corrective action, but should be performed for every parameter that has exceeded the groundwater

protection standard in the preceding three years, and should include all data since the implementation of corrective measures. The addition of a statistical test of trend, such as the Mann-Kendall Trend Analysis, would provide a more robust analysis. A statistical test that compares the current water quality to background water quality should be performed for parameters that do not exceed groundwater protection standards.

- Sample chain of custody requirements must be followed to ensure analytical results are legally defensible. All samples must be listed on the chain of custody form including the trip blank and duplicate sample, the cooler(s) used to ship groundwater samples must be sealed with signed custody seals to prevent and detect tampering, and the chain of custody form must be signed by all persons who have custody of the samples including delivery services such as UPS.
- Sampling locations Lamphier and S-3 are not shown on the current maps. Please include a map showing all sampling locations in future Groundwater Sampling Reports.

In general, a more detailed report providing a narrative of the sampling event and a thorough discussion of the sampling results and statistical analyses is requested. The report should be specific in addressing the groundwater sampling results for each monitoring well and how those results tie into the overall groundwater quality of the facility. The report should discuss the changes in groundwater quality over time in terms of long and short term trends and a discussion of how these trends demonstrate the effectiveness of the corrective remedy.

The Department notes that Tetrachloroethene (PCE) remains above the groundwater protection standard in SL-3 and SL-4, Nitrate + Nitrite in SL-1 and SL-4, and Barium in SL-3. The Department also notes the decreasing trend in PCE at SL-4; however, the rate of decrease is very slow. Additionally, PCE concentrations in SL-3 show an increasing trend, and Nitrate + Nitrite levels at SL-1 and SL-4 show no decreasing trends. **The Department concludes that the current remedy has not met the standards of ARM 17.50.710 (7)(b) or the goals set forth in the original Corrective Measures Assessment, thus an alternate remedy must be implemented as stated in ARM 17.50.710 (8)(b). Please submit a new Corrective Measures Assessment as described in ARM 17.50.710 (6) by February 23, 2009.** The facility remains in corrective action with semi-annual monitoring at this time. If at any time you have any questions, comments, or concerns, please do not hesitate to contact me directly at the Permitting and Compliance Division, Waste and Underground Tank Management Bureau, Solid Waste Program.

Sincerely,

Martin Van Oort
Environmental Science Specialist
Solid Waste Program
Phone: 406-444-2802, Fax: 406-444-1374
E-mail: mvanoort@mt.gov

File: Richland Co.\Richland Co. Class II\License#102\Ground Water Monitoring
Path: G:\WUT\SWS\GWater\Responses\Richland County\2008-04_2007-10_richland#102_review.doc
cc: Mr. Kelly Logan, Richland County Sanitarian, 221 5th St SW, Sidney, MT 59270
Richland County Commissioners, 201 W Main, Sidney, MT 59270-4087

Correspondence Slip

Project ID: ____________

Requested: 11/21/08

Needed By: 11/25/08

Originator: MVO

Org(s)/Mail Code: ____________

REVIEW ROUTING

Name	Task	Initial/Date
Admin	Proof	Jh 11-21
Marx H	Review	MH 11-21
Darrell	Review	DAS 11/21
Rick	Review	RT 11-25-08

Mail original via:
☒ Regular ○ Certified ○ Registered ○ FedEx

Fax to addressee at:

Proof Path: G:\WUT\ See letter

Special Instructions:

Mail copy of enclosures to CC's? Y [✓ N]

Copies of enclosures for file needed? Y [✓ N]

Copy of letter for file needed? [✓ Y] N

DISTRICT SANITARIAN
RICHLAND and McCONE COUNTY HEALTH DEPARTMENTS

1201 West Holly St. Suite 5 Sidney, MT 59270 Phone: 406-433-6876

MEMORANDUM

TO: Martin Van Oort; DEQ/Permitting & Compliance/Solid Waste

FROM: Kelly Logan

DATE: May 26, 2010

SUBJECT: Richland County Landfill # 102 – April 2010 sampling

RECEIVED
JUN 01 2010
DEPT. OF ENVIRO. QUALITY
WASTE & UNDERGROUND TANK
MANAGEMENT BUREAU

Groundwater samples were collected from Richland County Landfill #102 during April 2010. Almond's spring and Steffen's well were included in our monitoring this period. Almond's spring is located approximately 2200 ft to the NNW of the deep cells. Flow is estimated at 1-2 gpm. Steffen's well is located 4350 ft north of the deep cells. The well is 72 ft in depth and is most likely in the same aquifer as S-3. Steffen also has a 160 ft drilled well that is used for lawn watering (system was winterized and not in operation at time of sampling).

Quality control data is satisfactory with the exception of the spike recoveries for total alkalinity, silver, and selenium that were outside of the advisory limits. pH for the cyanide samples for SL-8 and SL-9 were received at pH ~ 10. The lab added NaOH to bring the sample pH >12. It should be noted that the lab does a good job with the sample containers as the bottle labels and caps are colored coded to match the caps of the preservatives to help reduce error. A duplicate was collected from SL-3. Below is a summary for landfill.

Data analysis.

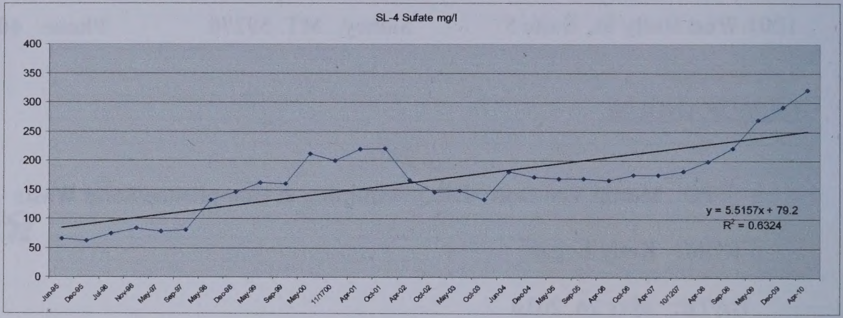
- Analytical results are similar to past events with a few exception:

    1. Specific conductance, nitrate + nitrite, and sulfate increased at SL-1. This corresponds with a two foot rise in groundwater elevation, normal for this site during spring runoff/heavy rainfall. Specific conductance rose from 634 to 1020 umhos/cm while sulfate increased from 11 mg/l to 52 mg/l. Nitrate + nitrite jumped from 6.3 mg/l to 34 mg/l.
    2. Sulfate increased from 281 mg/l to 466 mg/l at SL-8.
    3. Sulfate has shown a steady increase at SL-4 from 57 mg/l in October 1994 to 322 mg/l in April 2010.

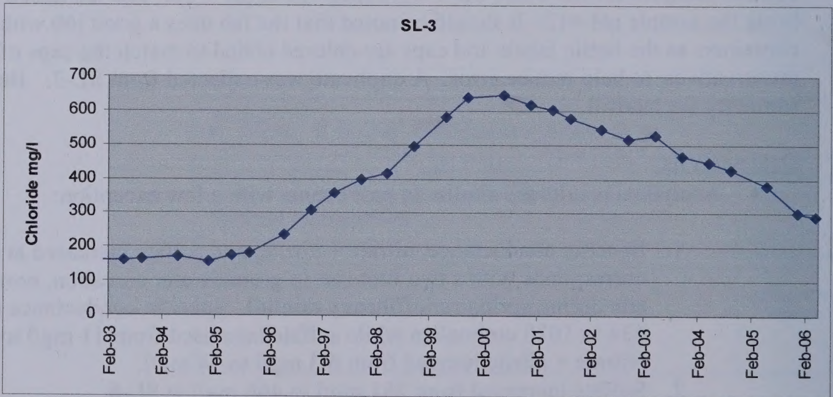
- No VOC's were detected in Almond's spring. Specific conductance was 721 umhos/cm, sulfate was 121 mg/l and chloride was 13 mg/l.
- Chloroform was detected below the reporting limit in Steffen's well. No other VOC's were detected. Sample was taken after the pressure tank via a hose. An outside hydrant is planned on being installed this spring for future sampling. The

remaining water system passes through a softener. Steffen's 160 ft. well was not in use at time of sampling (winterized).

- Well logs for the Steffen's, Dore, and Hanson wells are enclosed.



- The rising sulfate content seen in SL-4 is probably the result of removing the capping material (west of SL-4 and north of SL-3) allowing the release of the more mobile ions.
- The sulfur-bentonite waste pit located west of the deep cells is another possible source. However an analysis done of the waste product in 1986 for NO_3-N and NH_3-N showed high concentrations of these parameters, 1032 mg/l and 811 mg/l respectively. Neither of these parameters are present at SL-4 in high concentrations.
- SL-4 did not show an increase in chloride when the landfill was capped. Chloride concentration showed a decrease from a high of 277 mg/l in June 1997 to 74 mg/l in April 2010.



- The rise in the chloride concentration at SL-3 can be more easily attributed to the capping material as SL-1 and SL-2 exhibited similar behavior. SL-1 showed a spike in chloride in June 1993 when the tire pile was buried with the associated soil disturbance. SL-2 showed an increase in the chloride concentration in May 1998 when that portion of the landfill was capped.

SL-3	Tetrachloroethene	Trichloroethene	Cis-1,2 dichloroethene	Trans-1,2 dichloroethene Vinyl chloride
12/2/09	9.1	1.2	3.0	ND
4/17/10	6.4	0.94	2.3	ND
SL-4				
12/02/09	27	0.70	0.40	ND
4/17/10	23	0.48	0.30	ND
SL-6				
12/02/09	12	0.33	0.29	ND
4/18/10	17	0.39	0.33	ND
SL-7				
12/01/09	23	0.92	0.53	ND
4/17/10	25	0.73	0.30	ND
SL-8				
12/01/09	14	0.44	0.37	ND
4/17/10	16	0.50	0.51	ND
SL-9				
12/01/09	10	0.97	2.3	ND
4/16/10	8.6	0.81	1.9	ND

- Tetrachloroethene values at wells SL-3, SL-4, SL-6 thru SL-9 exceed the groundwater protection standards.
- Tetrachloroethene has been detected below the reporting limit at SL-5 twelve time over thirty-two sampling events.
- The trend line for tetrachloroethene for SL-4 is decreasing; and is stable or slightly decreasing for SL-3.
- The rate of decline in tetrachloroethene at SL-4 appears to have stabilized or has slowed substantially.
- Down-hole measurements of dissolved oxygen and ORP were taken after all wells were sampled. Meter was calibrated prior to sampling and calibration was checked after the data was collected. Measurements were taken over a 30 minute period at five minute intervals. Data was not collected immediately after bailing the wells as either cable/meter connection for one of the ports was bad or the cable had a faulty port and all the required field parameters could not be recorded with this cable. Confusing? One port on four port cable was defective. Meter/probe was returned for service. A second probe, calibrated, was used to obtain field parameters.
- Groundwater flow direction from the deep cells appears to be to the north-northeast with some movement to the east-southeast. Groundwater velocity is included in the consultant report for Nov/Dec 2009.

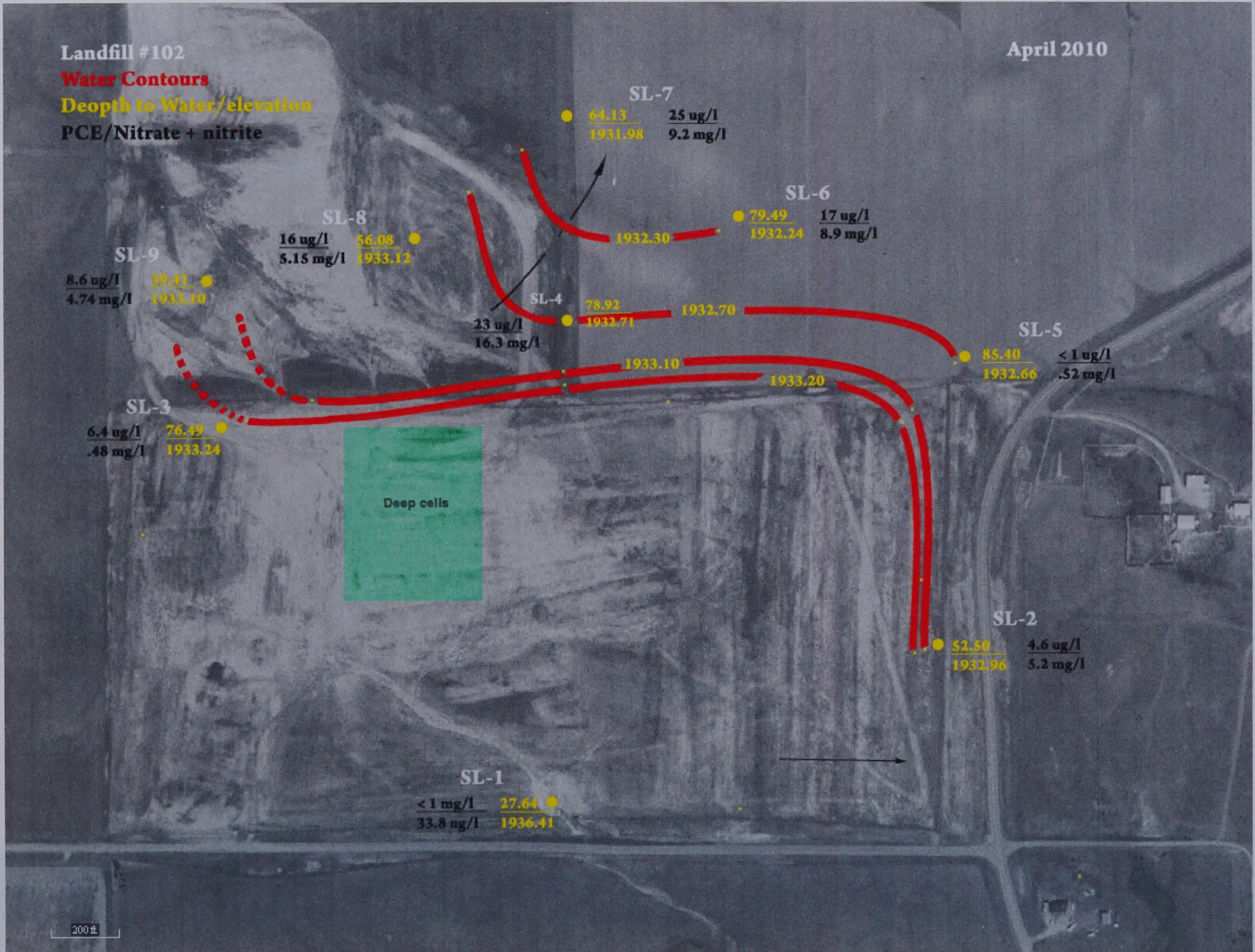
We are in the processing of getting permission for drilling additional wells from the land owner per DEQ's March 18, 2010 letter. Standard monitoring well would be installed as it was felt that direct push methods would not provide reliable data as the concentration of tetrachloroethene is low. Next scheduled sampling is in July if things go as planned. Sampling would include sites SL-3 thru SL-9, Steffen's well, and the new monitoring wells.

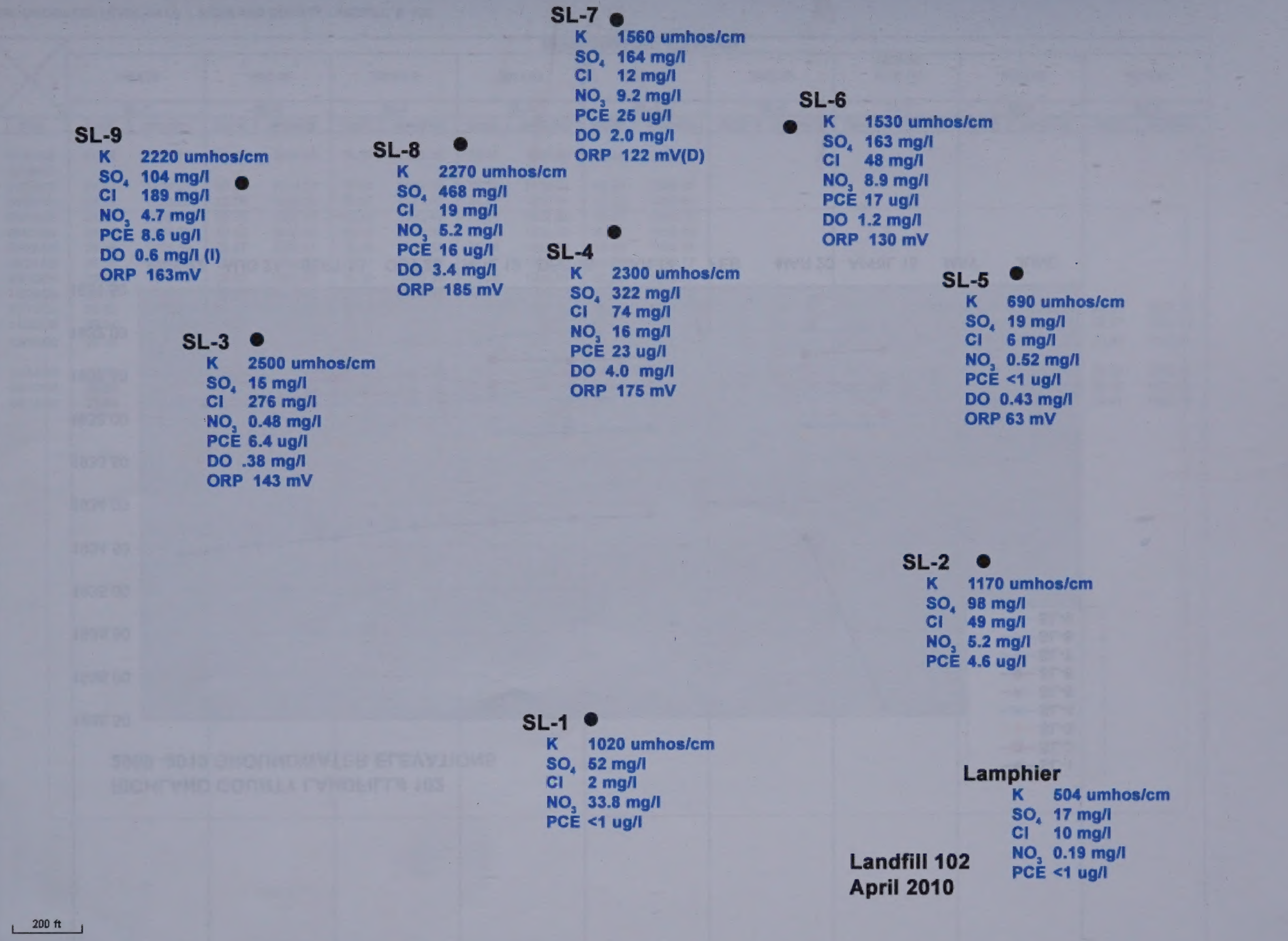
Parameters Exceeding Groundwater Protection Standards

Richland County Landfill # 102 April 2010

PARAMETERS	UNITS	GWPS	SL-1	SL-2	SL-3	SL-4	SL-5	SL-6	SL-7	SL-8	SL-9
Tetrachloroethene	ug/l	5*	<1	**4.6**	**6.4**	**23**	<1	**17**	**25**	**16**	**8.6**
Barium	mg/l	2**	1.2	0.3	**2.9**	0.1	0.3	0.1	<0.1	<0.1	0.2
Nitrate + nitrite	mg/l	10**	**33.8**	5.2	0.48	**16.3**	0.52	8.9	9.2	5.15	4.74

*Maximum Contaminant Level based on EPA Primary Drinking Water Standards
**Human Health Standards based on MT DEQ Circular WQB-7


Landfill #102
Water Contours
Deopth to Water/elevation
PCE/Nitrate + nitrite
April 2010
SL-7
64.13
1931.98
25 ug/l
9.2 mg/l
SL-6
79.49
1932.24
17 ug/l
8.9 mg/l
1932.30
SL-8
16 ug/l
5.15 mg/l
56.08
1933.12
SL-9
8.6 ug/l
4.74 mg/l
39.41
1933.10
SL-4
78.92
1932.71
23 ug/l
16.3 mg/l
1932.70
SL-5
85.40
1932.66
< 1 ug/l
.52 mg/l
1933.10
1933.20
SL-3
6.4 ug/l
.48 mg/l
76.49
1933.24
Deep cells
SL-2
52.50
1932.96
4.6 ug/l
5.2 mg/l
SL-1
< 1 mg/l
33.8 ug/l
27.64
1936.41
200 ft



Landfill 102
April 2010

SL-7
K 1560 umhos/cm
SO_4 164 mg/l
Cl 12 mg/l
NO_3 9.2 mg/l
PCE 25 ug/l
DO 2.0 mg/l
ORP 122 mV(D)

SL-9
K 2220 umhos/cm
SO_4 104 mg/l
Cl 189 mg/l
NO_3 4.7 mg/l
PCE 8.6 ug/l
DO 0.6 mg/l (I)
ORP 163mV

SL-8
K 2270 umhos/cm
SO_4 468 mg/l
Cl 19 mg/l
NO_3 5.2 mg/l
PCE 16 ug/l
DO 3.4 mg/l
ORP 185 mV

SL-6
K 1530 umhos/cm
SO_4 163 mg/l
Cl 48 mg/l
NO_3 8.9 mg/l
PCE 17 ug/l
DO 1.2 mg/l
ORP 130 mV

SL-4
K 2300 umhos/cm
SO_4 322 mg/l
Cl 74 mg/l
NO_3 16 mg/l
PCE 23 ug/l
DO 4.0 mg/l
ORP 175 mV

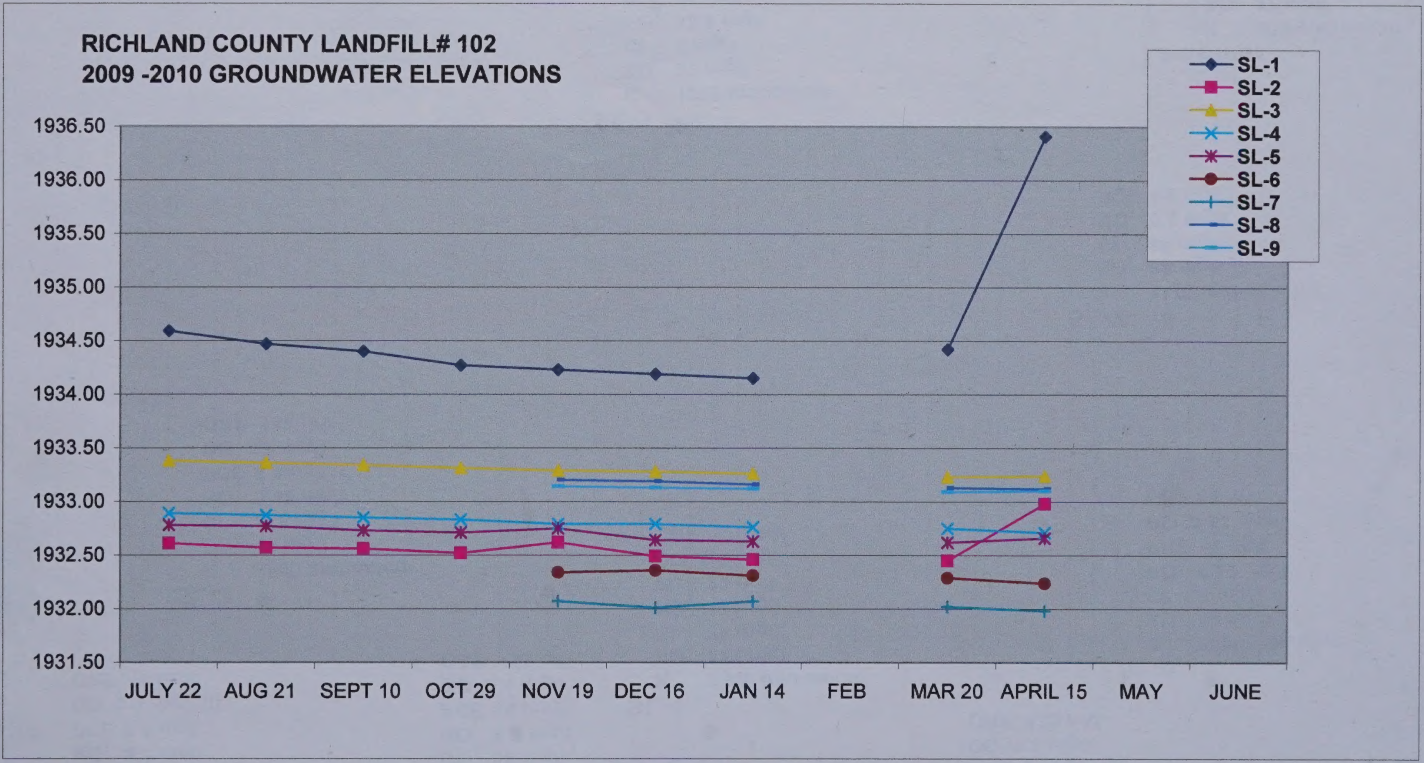
SL-5
K 690 umhos/cm
SO_4 19 mg/l
Cl 6 mg/l
NO_3 0.52 mg/l
PCE <1 ug/l
DO 0.43 mg/l
ORP 63 mV

SL-3
K 2500 umhos/cm
SO_4 15 mg/l
Cl 276 mg/l
NO_3 0.48 mg/l
PCE 6.4 ug/l
DO .38 mg/l
ORP 143 mV

SL-2
K 1170 umhos/cm
SO_4 98 mg/l
Cl 49 mg/l
NO_3 5.2 mg/l
PCE 4.6 ug/l

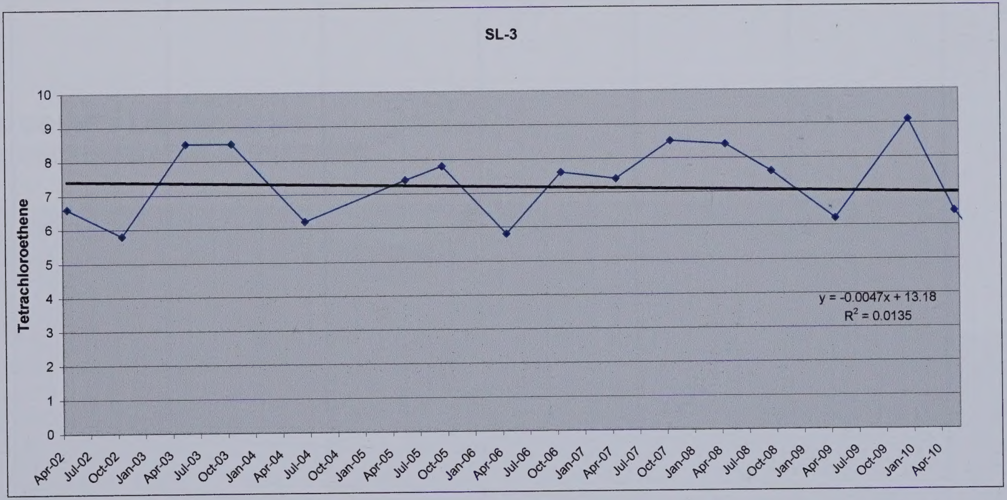
SL-1
K 1020 umhos/cm
SO_4 52 mg/l
Cl 2 mg/l
NO_3 33.8 mg/l
PCE <1 ug/l

Lamphier
K 504 umhos/cm
SO_4 17 mg/l
Cl 10 mg/l
NO_3 0.19 mg/l
PCE <1 ug/l


RICHLAND COUNTY LANDFILL# 102
2009 -2010 GROUNDWATER ELEVATIONS
SL-1
SL-2
SL-3
SL-4
SL-5
SL-6
SL-7
SL-8
SL-9
1936.50
1936.00
1935.50
1935.00
1934.50
1934.00
1933.50
1933.00
1932.50
1932.00
1931.50
JULY 22
AUG 21
SEPT 10
OCT 29
NOV 19
DEC 16
JAN 14
FEB
MAR 20
APRIL 15
MAY
JUNE

GROUNDWATER LEVEL DATA - RICHLAND COUNTY LANDFILL # 102

	MEASURING POINT ELEVATION																	
	1964.05		1985.48		2009.73		2011.63		2018.06		2011.73		1996.09 1996.11*		1989.20		1972.51	
	SL-1		SL-2		SL-3		SL-4		SL-5		SL-6		SL-7		SL-8		SL-9	
date	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation
01/01/09	29.94	1934.11	52.93	1932.55	76.35	1933.38	78.68	1932.95	85.24	1932.82								
02/09/09																		
03/24/09	29.32	1934.73	53.94	1932.54	76.34	1933.39	78.72	1932.91	85.26	1932.80								
04/26/09	28.76	1935.29	52.76	1932.72	76.27	1933.46	78.72	1932.91	85.26	1932.80								
05/09/09	28.94	1935.11	52.76	1932.72	76.29	1933.44	78.74	1932.89	85.27	1932.79								
06/27/09	29.33	1934.72	52.82	1932.66	76.34	1933.39	78.74	1932.89	85.27	1932.79								
07/22/09	29.46	1934.59	52.87	1932.61	76.35	1933.38	78.74	1932.89	85.28	1932.78								
08/21/09	29.58	1934.47	52.91	1932.57	76.37	1933.36	78.76	1932.87	85.29	1932.77								
09/10/09	29.65	1934.40	52.92	1932.56	76.39	1933.34	78.78	1932.85	85.33	1932.73								
10/29/09	29.78	1934.27	52.96	1932.52	76.42	1933.31	78.80	1932.83	85.35	1932.71								
11/19/09	29.82	1934.23	52.86	1932.62	76.44	1933.29	78.84	1932.79	85.31	1932.75	79.39	1932.34	64.02	1932.07	56.00	1933.20	39.37	1933.14
11/30/09	29.84	1934.21	52.98	1932.50	76.44	1933.29	78.83	1932.80	85.37	1932.69	79.38	1932.35	64.03	1932.06	56.01	1933.19	39.37	1933.14
12/16/09	29.86	1934.19	52.99	1932.49	76.45	1933.28	78.84	1932.79	85.42	1932.64	79.37	1932.36	64.08	1932.01	56.01	1933.19	39.38	1933.13
01/14/10	29.90	1934.15	53.02	1932.46	76.47	1933.26	78.87	1932.76	85.43	1932.63	79.42	1932.31	64.04	1932.07	56.04	1933.16	39.39	1933.12
03/20/10	29.63	1934.42	53.03	1932.45	76.50	1933.23	78.88	1932.75	85.44	1932.62	79.44	1932.29	64.09	1932.02	56.07	1933.13	39.42	1933.09
04/15/10	27.64	1936.41	52.50	1932.98	76.49	1933.24	78.92	1932.71	85.40	1932.66	79.49	1932.24	64.13	1931.98	56.08	1933.12	39.41	1933.10


SL-3
Tetrachloroethene
0
1
2
3
4
5
6
7
8
9
10
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Jan-06
Apr-06
Jul-06
Oct-06
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
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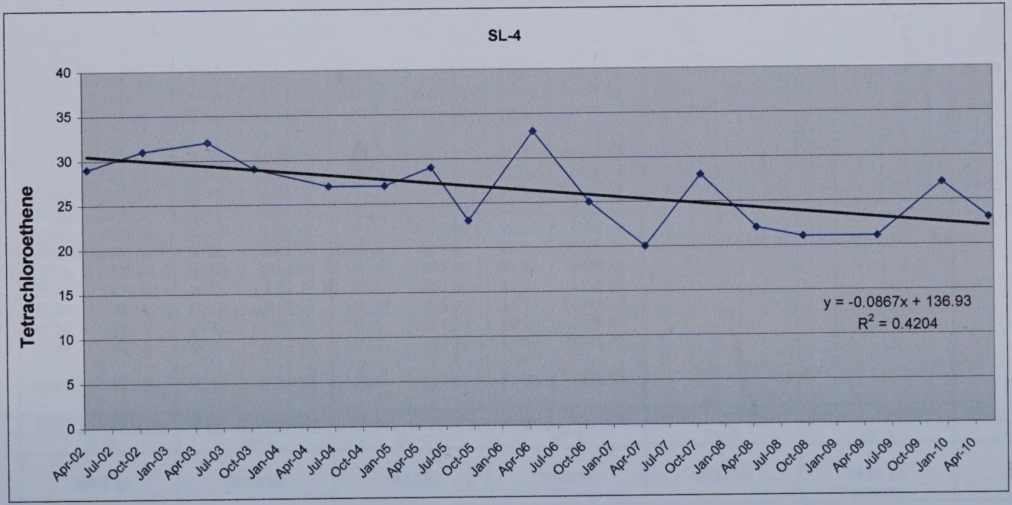
Jan-10
Apr-10
y = -0.0047x + 13.18
R^2 = 0.0135


SL-4
Tetrachloroethene
0
5
10
15
20
25
30
35
40
Apr-02
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Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
y = -0.0867x + 136.93
R^2 = 0.4204

PRIVATE WELLS RICHLAND COUNTY LANDFILL # 102

name	sample date	sample time	water level (ft)	water temp ©	specific conductance		pH		Ca^{2++} mg/l	Mg^{2++} mg/l	Na^{+} mg/l	K^{+} mg/l	T. Alk as $CaCO_3$	HCO_3 mg/l	CO_3^{2-} mg/l	SO_4 mg/l	Cl^{-} mg/l	$no_3 + no_2$ as N	NH_3 as N	cyanide	cod
					lab	field	lab	field													
Cliff Lamphier	04/28/01	1500		8.0	2520	2900	8.4	8.6								616	12	.05 U		.005 U	11
17-2 T. Williams	06/22/93	1645		17.5		1770		8.5													
7-1	06/22/93	1530		9.3	1210	1065	7.7	7.38	34	29	215	7	409	499	0	204	6	.34	.05 U	.005 U	5 U
8-1	02/10/93	1530		8.6	800	822	6.9	7.1	106	37	12	9	354	434	0	34	30	.25	.21	.005 U	121
	06/23/93	1330	79.95	10.4	747	580	7.3	7.1	97	38	12	4	344	420	0	28	28	.48	.22	.005 u	77
	12/21/95	0830		8.5	738	720	7.5	7.3								23	21	.05 U			248
8-2 (8-5)Sanders	06/22/93	1830		12.6	2820	2587	8.4	8.4	3	3	680	6	697	829	10	682	8	.07	.69	.005 u	8
8-4 lauridsons	06/22/93	1735		12.3	2210	2046	8.5	8.5	2	2	545	4	642	752	16	418	5	.54	.55	.005 u	13
	12/20/95	1730		10	2210	2100	8.8	8.45								457	8	.05 U			5 U
Steffen's 72ft.	04/15/10	1749		10.9	1200	1155	7.3	7.3	123	62	50	6	294	359	ND	321	41	.01	.46	.005 U	7
Amond's spring	04/15/10	1507		5.6	721	690	7.4	7.3	94	34	10	3	235	287	nd	121	13	2.97	.05 U	.005 U	6

PRIVATE WELLS PHYSICALL PARAMETERS, IONS, & NUTRIENTS

Corrected Copy

23N 59E 05 CCD

NA 30029299 42M

MONTANA WELL LOG REPORT

Form No. 603 R2-04

Well ID# ____________

This log reports the activities of a licensed Montana well driller and serves as the official record of work done within the borehole and casing and describes the amount of water encountered. **This form is to be completed by the driller and filed with MBMG within 60 days of completion of the work. Acquiring Water Rights is the well owner's responsibility and is not accomplished by the filing of this report.**

Well log information is stored in the Groundwater Information Center at the Montana Bureau of Mines and Geology (Butte) and water right information is stored in the Water Rights Bureau records (Helena).

For fields that are not applicable, enter NA. [illegible] Record additional information in the REMARKS section.

1. WELL OWNER:

Name Jeff Stetton

Mailing address PO Box 144

Sidney Mt 59270

2. WELL LOCATION: List ¼ from smallest to largest

____ ¼ SE ¼ SW ¼ ~~SE~~ SW ¼, Section 5

Township 23 [✓ N]/S Range 59 [✓ E]/W County Richland

Lot ____ Block ____ Subdivision Name

Well Address ____________

GPS ☐ Yes ☐ No

Latitude ____________ Longitude ____________

Error as reported by GPS locator (+/-) feet ____________

Horizontal datum ☐ NAD27 ☐ WGS84

3. PROPOSED USE: ☒ Domestic ☐ Stock ☐ Irrigation ☐ Public water supply ☐ Monitoring Well ☐ Other:

4. TYPE OF WORK:

☒ New well ☐ Deepen existing well ☐ Abandon existing well

Method: ☐ Cable ☒ Rotary ☐ Other: ____________

5. WELL CONSTRUCTION DETAILS:

Borehole:

Dia. 12 in. from 0 ft. to 20 ft.

Dia. 8 in. from 20 ft. to 72 ft.

Dia. ____ in. from ____ ft. to ____ ft.

Casing:

Steel: Wall thickness 250 ☐ Threaded ☑ Welded

Dia. 8 in. from 2+ ft. to 19 ft.

Dia. ____ in. from ____ ft. to ____ ft.

Plastic: Pressure Rating 200 lbs. ☐ Threaded ☑ Welded

Dia. 4½ in. from 6 ft. to 72 ft.

Perforations/Slotted Pipe:

Type of perforator used Factory Cut

Size of perforations/slots 020 in. by ____ in.

____ no. of perforations/slots from 72 ft. to 60 ft.

____ no. of perforations/slots from ____ ft. to ____ ft.

Screens: ☐ Yes ☒ No

Material ____________

Dia. ____ Slot size ____ from ____ ft. to ____ ft.

Dia. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel Packed: ☒ Yes ☐ No

Size of gravel 10/20 Silica sand

Gravel placed from 72 ft. to 55 ft.

Packer: ☐ Yes ☒ No

Type ____________ Depth(s) ____________

Grout: Material used Bentonite

Depth from 0 ft. to 20 ft. OR ☐ Continuous feed

55 - 45

6. WELL TEST DATA:

A well test is required for all wells. (*See details on well log report cover.*)

☑ Static water level 50 ft. below top of casing or

☐ Closed-in artesian pressure ____ psi.

How was test flow measured:

[✓ bucket/stopwatch] weir, flume, flowmeter, etc ____________

Yellowstone Controlled Groundwater Area - Water Temperature ____ °F

☐ AQUIFER TEST DATA FORM ATTACHED

Test - 1 hour minimum

Drawdown is the amount water level is lowered below static level.

All depth measurements shall be from the top of the well casing.

Time of recovery is hours/minutes since pumping stopped.

Air test*

15 gpm with drill stem set at 70 ft. for 2 hours

Time of recovery 5 hrs/[✓ min]. Recovery water level 50 ft.

OR Bailer test*

____ gpm with ____ ft. of drawdown after ____ hours

Time of recovery ____ hrs/min. Recovery water level ____ ft.

OR Pump test*

Depth pump set for test ____ ft.

____ gpm pump rate with ____ ft. of drawdown after ____ hrs pumping

Time of recovery ____ hrs/min. Recovery water level ____ ft.

OR Flowing Artesian*

____ gpm for ____ hours

Flow controlled by ____________

**During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

7. WELL LOG:

Depth, Feet		Material: color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
From	To	
0	15	Silt clay/gravel
15	37	clay
37	41	Coal
41	59	Shale
59	72	gray sand (water Fr)

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M.B.M.G.

☐ ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED: 5/12/07

9. REMARKS: ____________

10. DRILLER/CONTRACTOR'S CERTIFICATION:

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print) Sharp Drilling Inc

Address [illegible] Ave SE Sidney

Signature

Date 5/12/07 License no. 515

Montana Bureau of Mines & Geology
The University of Montana
1300 West Park Street

MBMG ID#
236385

Corrected copy 23N 59E05 CCD NA 30029298 42m

MONTANA WELL LOG REPORT

Form No. 603 R2-04

Well ID# ____________

This log reports the activities of a licensed Montana well driller and serves as the official record of work done within the borehole and casing and describes the amount of water encountered. **This form is to be completed by the driller and filed with MBMG within 60 days of completion of the work. Acquiring Water Rights is the well owner's responsibility and is not accomplished by the filing of this report.**

Well log information is stored in the Groundwater Information Center at the Montana Bureau of Mines and Geology (Butte) and water right information is stored in the Water Rights Bureau records (Helena).

For fields that are not applicable, enter NA. [redacted] Record additional information in the REMARKS section.

1. WELL OWNER:

Name Jeff Steffan

Mailing address PO Box 144

Sidney Mt 59270

2. WELL LOCATION: List ¼ from smallest to largest

____ ¼ SE ¼ SW ¼ ~~SE~~ SW ¼, Section 5

Township 23 [✓ N]/S Range 59 [✓ E]/W County Richland

Lot ____ Block/Tract/Subdivision Name

Well Address

GPS ☐ Yes ☐ No

Latitude ____________ Longitude ____________

Error as reported by GPS location(+/- feet) ____________

Horizontal datum ☐ NAD27 ☐ NAD83

3. PROPOSED USE: ☒ Domestic ☐ Stock ☐ Irrigation ☐ Public water supply ☐ Monitoring Well ☐ Other:

4. TYPE OF WORK:

☒ New well ☐ Deepen existing well ☐ Abandon existing well

Method: ☐ Cable ☐ Rotary ☐ Other: ____________

5. WELL CONSTRUCTION DETAILS:

Borehole:

Dia. 12 in. from 0 ft. to 20 ft.

Dia. 8 in. from 20 ft. to 160 ft.

Dia. ____ in. from ____ ft. to ____ ft.

Casing:

Steel: Wall thickness 250 ☐ Threaded ☑ Welded

Dia. 8 in. from 2+ ft. to 20 ft.

Dia. ____ in. from ____ ft. to ____ ft.

Plastic: Pressure Rating 200 lbs. ☐ Threaded ☑ Welded

Dia. 4½ in. from 8 ft. to 160 ft.

Perforations/Slotted Pipe:

Type of perforator used Factory Cut

Size of perforations/slots 020 in. by ____ in.

____ no. of perforations/slots from 140 ft. to 160 ft.

____ no. of perforations/slots from ____ ft. to ____ ft.

Screens: ☐ Yes ☑ No

Material ____________

Dia. ____ Slot size ____ from ____ ft. to ____ ft.

Dia. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel Packed: ☑ Yes ☐ No

Size of gravel 10/20 Silica sand

Gravel placed from 160 ft. to 135 ft.

Packer: ☐ Yes ☑ No

Type ____________ Depth(s) ____________

Grout: Material used Bentonite

Depth from 0 ft. to 20 ft. OR ☐ Continuous feed

135- 125

6. WELL TEST DATA:

A well test is required for all wells. (*See details on well log report cover.*)

☑ Static water level 90 ft. below top of casing or

☐ Closed-in artesian pressure ____ psi.

How was test flow measured:

[✓ bucket/stopwatch] weir, flume, flowmeter, etc ____________

Yellowstone Controlled Groundwater Area - Water Temperature ____ °F

☐ AQUIFER TEST DATA FORM ATTACHED

Test - 1 hour minimum

Drawdown is the amount water level is lowered below static level. All depth measurements shall be from the top of the well casing. Time of recovery is hours/minutes since pumping stopped.

Air test*

25 gpm with drill stem set at 130 ft. for 2 hours

Time of recovery 5 hrs/[✓ min]. Recovery water level 90 ft.

OR Bailer test*

____ gpm with ____ ft. of drawdown after ____ hours

Time of recovery ____ hrs/min. Recovery water level ____ ft.

OR Pump test*

Depth pump set for test ____ ft.

____ gpm pump rate with ____ ft. of drawdown after ____ hrs pumping

Time of recovery ____ hrs/min. Recovery water level ____ ft.

OR Flowing Artesian*

____ gpm for ____ hours

Flow controlled by ____________

**During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the resevoir of the well casing.*

7. WELL LOG:

Depth, Feet		Material: color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
From	To	
0	15	clay/gravel
15	60	Silt/clay+sand
60	65	Sand
65	70	coal
70	80	Shale
80	85	coal
85	137	Shale/coal layers
137	160	Sand (water Fm)

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M.B.M.G.

☐ ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED: 5/14/07

9. REMARKS: ____________

10. DRILLER/CONTRACTOR'S CERTIFICATION:

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print) Shopp Drilling Inc

Address 1021 2nd Ave SE Sidney

Signature ____________

Date 5/14/07 License no. 515

Montana Bureau of Mines & Geology
The University of Montana
1300 West Park Street
Butte, MT 59701

MBMG ID# 236387

CORRECTED COPY

23N 59E 08 DD

MONTANA WELL LOG REPORT

This well log reports the activities of a licensed Montana well driller, serves as the official record of work done within the borehole and casing, and describes the amount of water encountered. This report was completed online by the driller. Acquiring water rights is the well owner's responsibility and is NOT accomplished by the filing of this report.

Site Name: HANSON FRED
GWIC Id: 231774

Section 1: Well Owner

Owner Name
HANSON, FRED
Address
12808 CTY RD 350

City	State	Zip Code
SIDNEY	MT.	59270

Section 2: Location

S½ SE¼ SE¼

Township	Range	Section	Quarter Sections
23N	59E	8	~~SW¼ SE¼ SE¼~~

County **Geocode**
RICHLAND

Latitude	Longitude	Geomethod	Datum

Addition	Block	Lot

Section 3: Proposed Use of Water

DOMESTIC (1)

Section 4: Type of Work

Drilling Method: ROTARY

Section 5: Well Completion Date

Date well completed: Friday, December 22, 2006

Section 6: Well Construction Details

Borehole dimensions

From	To	Diameter
0	45	8
45	300	6
300	345	4.5

Casing

From	To	Diameter	Wall Thickness	Pressure Rating	Joint	Type
-2	45	6	0.250	250.0	WELDED	A53A STEEL
7	300	4.5	0.250	250.0	SPLINE	PVC-SDR 17

Completion (Perf/Screen)

From	To	Diameter	# of Openings	Size of Openings	Description
280	340	2	20	.020	SCREEN-CONTINUOUS-PVC

Annular Space (Seal/Grout/Packer)

There are no annular space records assigned to this well.

Section 7: Well Test Data

Total Depth: 345
Static Water Level: 224
Water Temperature:

Pump Test *

Depth pump set for test 260 feet.
12 gpm pump rate with 20 feet of drawdown after 3 hours of pumping.
Time of recovery 1 hours.
Recovery water level 224 feet.

** During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the reservoir of the well casing.*

Section 8: Remarks

TOP OF 2" SCREEN AT 280', TOP OF SANDPACK AT 290"

Section 9: Well Log

Lithology Data

There are no lithologic details assigned to this well.

Driller Certification

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name: TERRY WILLIAMS
Company: THERMAL DRILL INC.
Address: 12758 COUNTY ROAD 350
City: SIDNEY MT 59270
License No: WWC-626
Date Certified: 1/1/2007

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M.B.M.G.

231774

23N 59E 05 CD

MONTANA WELL LOG REPORT

Form No. 603 R2-99

Well ID# ______

This log reports the activities of a licensed Montana well driller and serves as the official record of work done within the borehole and casing and describes the amount of water encountered. **This form is to be completed by the driller and filed with DNRC within 60 days of completion of the work. Acquiring Water Rights is the well owner's responsibility and is not accomplished by the filing of this report.**

Well log information is stored in the Groundwater Information Center at the Montana Bureau of Mines and Geology (Butte) and water right information is stored in the Water Rights Bureau records (Helena).

For fields that are not applicable, enter NA. Optional fields have a grayed background. Record additional information in the REMARKS section.

1. WELL OWNER:

Name Ryan Dore

Mailing address C.R. #250 N.
Sidney, MT. 59270

2. WELL LOCATION

List ¼ from smallest to largest

____ ¼ ____ ¼ SE ¼ SW ¼, Section 5

Township 29 N/S Range 59 E/W County Richland

Lot ____, Tract/Blk ____ Subdivision Name

Well Address ______

GPS ☒ Yes ☐ No

Latitude N-49°-46-.599 Longitude W-104°-10.000'

OR Error as reported by GPS locator (± feet) 97

Horizontal datum ☒ NAD27 ☐ WGS84 Elev.-2186

3. PROPOSED USE:

☒ Domestic ☐ Stock ☐ Irrigation
☐ Public water supply ☐ Monitoring Well ☐ Other:

4. TYPE OF WORK:

☒ New well ☐ Deepen existing well ☐ Abandon existing well

Method: ☐ Cable ☒ Rotary ☐ Other: ______

5. WELL CONSTRUCTION DETAILS:

Borehole:

Dia. 8¾ in. from 0 ft. to 195 ft.
Dia. ____ in. from ____ ft. to ____ ft.
Dia. ____ in. from ____ ft. to ____ ft.

Casing:

Steel: Wall thickness .375 ☒ Threaded ☐ Welded
Dia. 5 in. from +2 ft. to 20 ft.
Dia. ____ in. from ____ ft. to ____ ft.

Plastic: Pressure Rating 250 lbs. ☐ Threaded ☐ Welded (Certalok)
Dia. 5 in. from 20 ft. to 186 ft.

Perforations/Slotted Pipe:

Type of perforator used ______
Size of perforations/slots N/A in. by ____ in.
____ no. of perforations/slots from ____ ft. to ____ ft.
____ no. of perforations/slots from ____ ft. to ____ ft.

Screens: ☒ Yes ☐ No

Material Stainless steel
Dia. 5 Slot size 18 from 185 ft. to 195 ft.
Dia. ____ Slot size ____ from ____ ft. to ____ ft.

Gravel Packed: ☑ Yes ☐ No

Size of gravel 12-20 Silica sand
Gravel placed from 160 ft. to 196 ft.

Packer: ☐ Yes ☑ No

Type ______ Depth(s) ______

Grout: Material used Bentonite chips
Depth from 0 ft. to 160 ft. OR ☑ Continuous feed

6. WELL TEST DATA:

A well test is required for all wells. (*See details on well log report cover.*)

☐ Static water level 102.1 ft. below top of casing or
☐ Closed-in artesian pressure ____ psi.

How was test flow measured:
bucket/stopwatch, weir, flume, flowmeter, etc ______

Yellowstone Controlled Groundwater Area - Water Temperature ____ °F

☐ AQUIFER TEST DATA FORM ATTACHED

Test - 1 hour minimum
Drawdown is the amount water level is lowered below static level.
All depth measurements shall be from the top of the well casing.
Time of recovery is hours/minutes since pumping stopped.

Air test*

____ gpm with drill stem set at ____ ft. for ____ hours
Time of recovery ____ hrs/min. Recovery water level ____ ft.

OR Bailer test*

____ gpm with ____ ft. of drawdown after ____ hours
Time of recovery ____ hrs/min. Recovery water level ____ ft.

OR Pump test*

Depth pump set for test 160 ft.
10 gpm pump rate with 48.6 of drawdown after 12 hrs pumping
Time of recovery ____ hrs/min. Recovery water level ____ ft.

OR Flowing Artesian*

____ gpm for ____ hours
Flow controlled by ______

**During the well test the discharge rate shall be as uniform as possible. This rate may or may not be the sustainable yield of the well. Sustainable yield does not include the resevoir of the well casing.*

7. WELL LOG:

LD

Depth, Feet		Material: color/rock and type/descriptor (example: blue/shale/hard, or brown/gravel/water, or brown/sand/heaving)
From	To	
0	1	Topsoil-Sand
1	19	Gravel & Sand-Rocks-Course.
19	27	Clay-yellow-Sandy
27	29	Lignite.
29	88	ClayStone-lgt. gray
88	90	Lignite
90	114	Claystone-lgt. gray
114	117	Lignite.
117	126	ClayStone-lgt. gray
126	157	Siltstone-fine-lgt. gray
157	165	Claystone-lgt. gray & silty
165	167	Lignite.
167	184	Claystone-lgt. gray-Sandy
184	195	Lignite.
195	210	Claystone-lgt. greenish gray

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M.B.M.G.

☐ ADDITIONAL SHEETS ATTACHED

8. DATE WELL COMPLETED: 5-30-07

9. REMARKS: ______

10. DRILLER/CONTRACTOR'S CERTIFICATION:

All work performed and reported in this well log is in compliance with the Montana well construction standards. This report is true to the best of my knowledge.

Name, firm, or corporation (print) Agri Industries.
Address Box 1166, Williston, ND 58802
Signature
Date 5-31-07 License no. 537 274

MBMG ID# 236478

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-15-10 STATION Lamphier

WEATHER p.cldy, windy 54°F WIND W @25 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER ______ TOTAL DEPTH ______

WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = ______ GALLONS

COMMENTS ______

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1615	grab	7.9	8.3	483

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

X 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-15-10 STATION S-5

WEATHER windy - p.cldy T 51° WIND W @25 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER ______ TOTAL DEPTH ______

WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = ______ GALLONS

COMMENTS spring in Beagle's pasture

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1542	grab	6.4	7.4	369

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

✓ 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-15-10 STATION S-3

WEATHER p-cldy T 51'F WIND W @25 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER ____ TOTAL DEPTH ____

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
	GRAB			
1434	—	9.2	7.1	1109

SAMPLE NATURAL DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

X 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-16-10 / STATION SL-1

WEATHER mostly clr T = 55'F WIND SSW@20 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 27.64 TOTAL DEPTH 31.12

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 1.75 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1240	0			
1252	1.75	10:3	6.6	994

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

X 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-16-10, STATION SL-2

WEATHER mosty clr T 60° WIND SW @ 20 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER 52.50 TOTAL DEPTH 59.06

WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = 3.3 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1330	0			
1352	3.3	11.2	6.8	1135

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X	3 – 40 ML VOA	VOC	HCL
X	1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X	1 – 500 ML PLASTIC	COMMON IONS	NONE
X	1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
X	1 – ~~250~~ 500 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-17-10, STATION SL-3

WEATHER p. cldy T 69°F WIND SW @ 25 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER 76.49 TOTAL DEPTH 88.07

WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = 5.8 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1700	0			
1722	4	11.2	6.7	2430
1744	5.8	11.5	6.7	2434

SAMPLE [✓ NATURAL] [✓ DUPLICATE] X-CONTAM. TRIP BLANK BLIND

6	3 – 40 ML VOA	VOC	HCL
2	1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
2	1 – 500 ML PLASTIC	COMMON IONS	NONE
2	1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
1	1 – ~~250~~ 500 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-17-10 STATION SL-4

WEATHER slight overcast WIND SE @ 25 MPH

CASING TYPE ___ CASING DIAMETER ___ CASING STICKUP ___

MEASURING PT. ___ DEPTH TO WATER 78.92 TOTAL DEPTH 92.5

WELL EXCAVATION DISPOSABLE BAILER ___ OTHER ___

ONE CASING VOLUME = ___ GALLONS X 3 = 6.8 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1140	0		6.9	2262
1212	4.75	9.8	6.9	2255
1222	5.75	9.8	6.9	2284
1235	6.80	9.9	6.9	~~2250~~
				2263

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA	VOC	HCL
X 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X 1 – 500 ML PLASTIC	COMMON IONS	NONE
X 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
X 1 – ~~250~~ 500 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-18-10 STATION SL-5

WEATHER mostly cldy T 49° WIND SSW @ 5 MPH

CASING TYPE ___ CASING DIAMETER ___ CASING STICKUP ___

MEASURING PT. ___ DEPTH TO WATER 85.40 TOTAL DEPTH 97.0

WELL EXCAVATION DISPOSABLE BAILER ___ OTHER ___

ONE CASING VOLUME = ___ GALLONS X 3 = 5.8 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
750	0			
0841	5.8	9.4	7.3	664

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA	VOC	HCL
X 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X 1 – 500 ML PLASTIC	COMMON IONS	NONE
X 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
X 1 – ~~250~~ 500 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-18-10 STATION SL-6

WEATHER slight overcast T51 WIND SE @ 7 MPH

CASING TYPE____ CASING DIAMETER____ CASING STICKUP____

MEASURING PT.____ DEPTH TO WATER 79.49 TOTAL DEPTH 98.42

WELL EXCAVATION DISPOSABLE BAILER____ OTHER____

ONE CASING VOLUME = ____ GALLONS X 3 = 4.5 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
0911	0			
0930	3.0	9.5	7.1	1480
0938	3.75	9.5	7.1	1481
0948	4.5	9.5	7.1	1491

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

V 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-17-10 STATION SL-7

WEATHER slight overcast 61°F WIND SSE @ 25 MPH

CASING TYPE____ CASING DIAMETER____ CASING STICKUP____

MEASURING PT.____ DEPTH TO WATER 64.13 TOTAL DEPTH 75.08

WELL EXCAVATION DISPOSABLE BAILER____ OTHER____

ONE CASING VOLUME = ____ GALLONS X 3 = 5.5 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE	
1016	0	40	6.9	1475	
1041	3.5	9.4	6.8	1495	1540
1049	4.5	9.4	6.8	1502	
1058	5.5	9.4	6.9	1504	1542

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

V 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-17-10 /

STATION SL-8

WEATHER slight overcast T 53°F WIND SW @ 25 MPH

CASING TYPE CASING DIAMETER CASING STICKUP

MEASURING PT. DEPTH TO WATER 56.08 TOTAL DEPTH 58.41

WELL EXCAVATION DISPOSABLE BAILER OTHER

ONE CASING VOLUME = GALLONS X 3 = 1.2 GALLONS

COMMENTS

Bail'd dry 0905/

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
0850	0	10	6.7	2238
0858	.5	9.9	6.7	2152
1602	.8±	11.0	6.8	2208
1630	1.25	10.5	6.8	2205

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

X 1 – 250 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS slow sampling - not much H_2O

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 4-16-10 /

STATION SL-9

WEATHER mostly clr. T ≈ 60° WIND SW @ 25 MPH

CASING TYPE CASING DIAMETER CASING STICKUP

MEASURING PT. DEPTH TO WATER 39.41 TOTAL DEPTH 45.12

WELL EXCAVATION DISPOSABLE BAILER OTHER

ONE CASING VOLUME = GALLONS X 3 = 2.8 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1430	0			
1442	1	9.9	6.8	2057
1447	2	9.8	6.8	2090
1453	2.8	9.8	6.8	2090

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

✓ 3 – 40 ML VOA VOC HCL

✓ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

✓ 1 – 500 ML PLASTIC COMMON IONS NONE

✓ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

✓ 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

Steffen

GROUNDWATER SAMPLING LOG - **RICHLAND COUNTY LANDFILL NO. 102**

DATE/TIME 4-15-10 STATION

WEATHER mostly clear. T 55 WIND W @ 20 MPH

CASING TYPE CASING DIAMETER CASING STICKUP

MEASURING PT. DEPTH TO WATER TOTAL DEPTH

WELL EXCAVATION DISPOSABLE BAILER OTHER

ONE CASING VOLUME = GALLONS X 3 = GALLONS

COMMENTS 70 ft well - grab in basement before filter

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1749	grab	10.9	7.3	1155
N.47.77710		NW corner of lot		
W 104.17641				

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

X 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS 160 ft well is yard well not turned on yet

Almond spring

GROUNDWATER SAMPLING LOG - **RICHLAND COUNTY LANDFILL NO. 102**

DATE/TIME 4-15-10 STATION

WEATHER p cldy windy T- 51°F WIND W @ 25 MPH

CASING TYPE CASING DIAMETER CASING STICKUP

MEASURING PT. DEPTH TO WATER TOTAL DEPTH

WELL EXCAVATION DISPOSABLE BAILER OTHER

ONE CASING VOLUME = GALLONS X 3 = GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1507	grab	5.6	7.3	690

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

V 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

LAMPHIER

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$NO_3 + NO_2$ as N	Cyanide	COD
06/23/93	1755	16.5	627	531	7.5	7.3	43	20	.57	.005 U	56
06/21/95	0845	10.0	321	307	8.5	8.4	17	4	.04 F	.005 U	5 F
08/01/95	1830	11.0		320		8.5					
12/19/95	1730	7.5	354	370	8.4	8.8	19	4	.05 U		5 F
09/13/97	1540	17.0	384	440	8.0	8.1	30	4	.05 U		5 F
05/30/98	1540	11.0	398	430	7.9	7.6	22	10	.31		5 U
12/13/98	1350	12.0	410	480	7.8	6.8	36	8	.05 U	.005 U	5 U
05/21/99	1545	9.5	377	400	7.9	7.9	24	8	.13	.005 U	5 U
09/25/99	1215	14.0	379	530	7.8	6.9	21	6	.17		5 U
05/27/00	1545	10.0	574	630	7.6	7.6	36	8	.05 J	.005 M	5 F
11/20/00	0930	10.0	478	500	7.9		26	8	.13		
04/28/01	1430	11.0	780	830	7.3	7.3	36	15	.84	.005 U	13
10/27/01	1515	11.0	677	730	7.3		33	13	.05 U		
04/27/02	1815	9.0	733	780	7.4	6.6	32	14	.05 U	.005 U	4
10/26/02	1215	10.0	676	700	7.5	6.9	25	12	.11		7
05/31/03	1040	10.0	792	830	7.2	7.5	30	16	.06	.005 U	1 U
10/04/03	1030	12.0	678	780	7.1	6.6	26	14	.05		1 U
06/06/04	1730	10.0	994	1000	7.2	6.7	35	25	.05 U	.005 U	2
12/03/04	1110	8.5	841	910	6.9	7.5	31	21	.05 U		3
05/15/05	1800	10.0	860	820	7.3	7.4	31	23	.05 U	.005 U	3
09/10/05	1535	10.5	984	1026	7.6	7.4	34	29	.05 U		1
10/09/06	1050	10.0	1150	1164	7.2	7.0	26	38	.05 U		4
04/21/07	1750	8.0	747	720	7.4	7.3	25	19	.51	.005 U	2
10/13/07	1020	18.0	1000	1036	6.9	7.1	28	33	.05 U		4
04/13/08	1550	8.0	641	568	7.4	7.7	18	17	.20	.005 U	10
09/20/08	1225	12.0	633	607	7.2	6.9	24	16	.05 U		3
05/08/09	1340	7.5	603	590	7.8	7.3	20	14	.10	.005 U	4
12/02/09	1550	8.0	655	660	7.4	7.3	18	19	.07		5 U
04/15/10	1615	7.9	504	483	8.2	8.3	17	10	.19	.005 U	5 U

LAMPHIER

PHYSICAL PARAMETERS, IONS, & NUTRIENTS

LAMPHIER **RICHLAND COUNTY LANDFILL # 102**

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
06/23/93	.01 U	.008	.30	.002 U	.0005 U	.002 U	.005 U	.001 U	.74	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
06/21/95	.002 U	.005 U	.11	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
12/19/95	.002 U		.11	.002 U				.001 U	.05 J	.002 U		.02 U				.05 U	.06
09/13/97	.003 U		.12	.001 U				.002	.05 U	.003 U		.02 U				.05 U	.70
05/30/98	.003 U	.005 U	.14	.001 U	.0001 U	.001 U	.001 U	.002	.05J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.61
12/13/98	.003 U		.16	.001 U				.007	.05 J	.003 U		.02 U				.05 U	.42
05/21/99	.003 U	.005 U	.15	.001 U	.0001 U	.001 U	.002 U	.004	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.43
09/25/99	.003 U		.15	.001 U		.002			.06	.003 U		.02 J				.05 U	.32
05/27/00	.003 U	.005 U	.21	.001 U	.0001 J	.005 J	.002 J	.005 U	.28	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 U	.21
11/20/00	.05 U		.20	.001 U				.02	.14	.01 U		.01 U				.1 U	.58
04/28/01	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.55 F	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.27
10/27/01	.05 U		.3	.001 U				.01 U	.35	.01 U		.01 U				.1 U	.54
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.24	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.69
10/26/02	.05 U		.3	.001 U				.02	1.70	.01 U		.01 U				.1 U	.68
05/31/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.27	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.53
10/04/03	.05 U		.3	.001 U				.01 U	.25	.01 U		.01 U				.1 U	.86
06/06/04	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.85	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.44
12/03/04	.05 U		.4	.001 U				.01 U	.54	.01 U		.01 U				.1 U	.71
05/15/05	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.70	.01 U	.001 U	.01 U	.005 U	.005 U	.1	.1 U	.74
09/10/05	.05 U		.5	.001 U				.01 U	.79	.01 U		.01 U				.1 U	.52
10/09/06	.05 U		.5	.001 U				.01 U	.89	.01 U		.01 U				.1 U	1.54
04/21/07	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.73
10/13/07	.05 U		.5	.001 U				.01 U	.94	.01 U		.01 U				.1 U	1.95
04/13/08	.005 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.78
09/20/08	.005 U		.2	.001 U				.01 U	.27	.01 U		.01 U				.1 U	1.30
05/08/09	.005 U	.005 U	.2	.001 U	.001	.01 U	.01 U	.05	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.99
04/15/10	.005 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.64

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 U	5 U	1 U
12/19/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/20/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/15/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/05/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/15/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/19/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/20/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/06/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/15/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/05/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/15/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/19/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/20/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/15/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/05/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/15/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J

S-3 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity umhos/cm		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
			lab	field	lab	field					
06/23/93	0745	9.9	1280	1242	7.5	6.7	116	186	.18	.005 U	6
12/20/95	1415	7.5	1260	1180	8.0 H	R	160	157	.05 U		12 F
07/14/96	1830	13.0	1200	1280	7.3	7.1	166	252 F	.05 U	.005 U	8
11/24/96	1610		1210	1300	7.2	7.8	185	140	.05 U	.005 U	6
05/17/97	1600	13.0	1210	1280	7.2	7.1	188	143	.05 U	.005 U	7
09/13/97	1430	14.0	1200	1250	7.2	7.3	152	143	.05 U		7 F
05/29/98	1735	12.0	1200	1250	7.2	7.0	161	155	.05 J		5 U
12/13/98	1300	9.0	1110	1240	7.3	6.6	147	126	.05 U	.005 M	5 U
12/13/98 D			1150		7.3		148	130	.05 U		5
05/22/99	1345	12.0	1160	1240	7.2	6.8	155	123	.05 U	.005 M	5
09/25/99	1330	12.0	1100	1170	7.3	6.6	130	112	.05 U		8
05/27/00	1430	15.0	1130	1200	7.3	7.2	165	125	.05 J	.005 M	10 F
11/16/00	1540	8.0	1090	1240	7.6	6.4	159	130	.05 U		
04/28/01	1330	14.0	1190	1250	7.1	7.2	166	134	.05 U	.005 U	10
10/26/01	1800	9.0	1070	1200	7.2		155	130	.05 U		
04/27/02	1330	7.0	1140	1250	7.4	6.3	147	129	.05 U	.005 U	7
10/26/02	1130	10.0	1180	1190	7.5	6.3	143	119	.05 U		14
05/31/03	0850	9.5	1200	1220	7.2	7.1	159	114	.05 U	.005 U	2
10/04/03	0830	9.0	1100	1200	7.3	7.0	167	118	.05 U		4
06/06/04	1700	10.0	1070	1190	7.3	7.0	180	94	.05 U	.005 U	8
12/03/04	1130	9.0	1080	1200	7.1	7.2	164	102	.05 U		8
05/14/05	0920	8.0	1120	1210	7.4	7.0	178	106	.05 U	.005 U	7
09/10/05	1500	14.0	1120	1141	7.5	7.2	169	106	.05 U		8
04/22/06	0930	10.5	1040	1148	7.6	7.2	192	104	.05 U	.005 U	7
10/09/06	1015	9.0	1170	1152	7.2	7.0	172	117	.05 U		5
04/21/07	1703	10.0	1180	1146	7.2	7.2	174	113	.05 U	.005 U	8
10/13/07	1005	9.5	1170	1135	7.0	7.2	178	101	.05 U		7
04/13/08	1230	10.5	1110	1114	7.3	7.4	179	93	.05 U	.005 U	10
4/13/DUP			1120		7.2		179	93	.05 U	.005 U	12
09/20/08	1255	12.0	1120	1095	7.0	7.1	193	84	.05 U		8
05/08/09	1310	11.5	1130	1109	7.2	7.2	207	87	.05 U	.005 U	9
11/30/09	1200	7.5	1120	1090	7.2	7.1	195	87	.01 U		8

S-3 PHYSICALL PARAMETERS, IONS, & NUTRIENTS

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity umhos/cm		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
			lab	field	lab	field					
04/15/10	1434	9.2	1150	1108	7.2	7.1	206	96	.01	.005 U	8

PHYSICALL PARAMETERS, IONS, & NUTRIENTS

S-3 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
06/23/93	.01 U	.005 U	.20	.002 U	.0005 U	.002 U	.005 U	.001 U	.17	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
12/20/95	.002 U		.14	.002 U				.001 U	.26	.002 U		.02 J				.05 U	.02 U
07/14/96	.004 U	.005 U	.15	.002 U	.002 F	.002 U	.005 U	.001 U	.17	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/24/96	.004 U	.005 U	.14	.001 U	.0005 U	.002 U	.005 U	.001 U	.11	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.15	.001 U	.0005 U	.002 U	.005 U	.001 U	.08	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.06
09/13/97	.003 U		.16	.001 U				.001 U	.10	.003 U		.02 J				.05 U	.04
05/29/98	.003 U	.005 U	.14	.001 U	.0001 U	.001 U	.001 U	.001 U	.11	.003 U	.0002 U	.04	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		.14	.001 U				.001 U	.11	.003 U		.02 U				.05 U	.02 J
12/13/98	.003 U		.15	.001 U				.001 U	.12	.003 U		.02 U				.05 U	.03
05/22/99	.003 U	.005 J	.14	.001 U	.0001 U	.001 U	.002 U	.002	.11	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/25/99	.003 U		.12	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/27/00	.003 J	.005 J	.13	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 J	.003 U	.0002 M	.02 J	.005 U	.0002 M	.002 U	.05 U	.02 U
11/16/00	.05 U		.10	.001 U				.01 U	.12	.01 U		.01 U				.1 U	.01 J
04/28/01	.05 U	.005 U	.1	.001 U	.001 U	.01 J	.01 U	.01 U	.08 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01
10/26/01	.05 U		.2	.001 U				.01 J	.16	.01 U		.01 J				.1 U	.01 U
04/27/02	.05 U	.005 U	.1 U	.001 U	.001 U	.01 U	.01 U	.01 U	.09	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.1	.001 U				.01 U	.15	.01 U		.01				.1 U	.01 U
05/31/03	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.12	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/04/03	.05 U		.1	.001 U				.01 U	.23	.01 U		.01 U				.1 U	.01 U
06/06/04	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.12	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.1	.001 U				.01 U	.15	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.14	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.1	.001 U				.01 U	.16	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.20	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.2	.001 U				.01 U	.47	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.17	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/13/07	.05 U		.1	.001 U				.01 U	.24	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.20	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
4/13/DUP	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.25	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.1	.001 U				.01 U	.11	.01 U		.01 U				.1 U	.01 U
05/08/09	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.13	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
04/15/10	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.18	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

S-3 TRACE METEALS

S-3 RICHLAND COUNTY LANDFILL - 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/24/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/29/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
12/13/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4/13/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/15/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-3 ORGANICS - TABLE ONE LIST

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane	MEK
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U	50 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	20 U
07/14/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
11/24/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 J
05/29/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
12/13/98 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U	20 U
11/16/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
06/06/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
4/13/DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/08/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
11/30/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/15/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U

ORGANICS - TABLE ONE LIST

S-3

RICHLAND COUNTY LANDFILL # 102

Date	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
06/23/93	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/14/96	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/24/96	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/29/98	20 U	5 U	1 U	1 U	1 U	1 U	1 B	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98 D	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4/13/DUP	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/15/10	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-3 ORGANICS - TABLE ONE LIST

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	Cyanide	COD
02/10/93	0745	1.0	380	345	7.1	7.0	24	4	.73	.005 U	5 U
06/23/93	650	12.5	358	464	7.8	7.0	21	2	.20	.005 U	5 U
01/04/94	1635	3.0	398	275	7.4	7.0	19	3	1.47	.005 U	5
05/11/94	1900		357 J		8.1		22	4	.82	.005 U	5 F
10/18/94	1615	10.0		301	7.7	8.0	21	4	.47	.005 U	7
06/21/95	1530	17.0	349	360	8.0 H	7.5	21	4	.68 F	.005 U	5 F
08/01/95	1625	16.0		390		7.6					
12/20/95	1500	5.0	371	390	7.8	7.5	19	4	.72		5 F
07/14/96	1650	14.0	383	400	7.7	7.6	21	18 F	.33	.005 U	5 U
11/24/96	1530		362	420	7.8	8.0	23	3	.17	.005 U	5 U
05/17/97	1715	10.0	361	400	7.8	7.8	20	2	.34	.005 U	5 U
09/13/97	1520	14.0	362	410	7.6	7.7	25	4	.24		20
05/29/98	1645	10.5	367	380	7.7	8.0	16	17	.18		5 U
12/13/98	1100	7.5	333	390	7.7	6.8	22	6	.62	.005 M	5 U
05/22/99	1130	12.0	326	360	7.7	6.9	17	4	.19	.005 M	5 U
09/25/99	1045	11.0	372	420	7.7	6.7	23	4	.16		7
05/27/00	1315	13.0	359	400	7.5	7.6	26	5	.24	.005 M	13 F
11/16/00	1415	6.0	369	430	7.9	7.4	21	5	.42		
04/28/01	1300	9.0	441	420	7.3	7.6	21	5	.52	.005 U	10
10/26/01	1730	9.0	338	370	7.5		17	5	.51		
04/27/02	1250	7.0	355	380	7.7	6.6	17	5	.75	.005 U	5
DUP			353		7.7		17	5	.74	.005 U	4
10/26/02	1055	9.0	393	420	7.6	7.3	15	5	.59		1 U
05/31/03	0945	10.5	401	420	7.4	7.5	18	5	.23	.005 U	1 U
10/04/03	0930	10.5	375	400	7.2	7.3	16	5	.29		1 U
06/05/04	1800	13.0	381	430	7.6	7.8	20	5	.16	.005 U	3
12/02/04	1545	7.0	359	405	7.2	7.5	17	6	.59		3
05/14/05	0840	8.0	363	400	7.8	6.8	18	6	.51	.005 U	1
09/10/05	1110	12.5	373	365	7.7	7.0	19	7	.18		2
10/09/06	0935	9.0	394	388	7.5	6.9	20	6	.36		1 U
10/09DUP			398		7.5		20	6	.36		2
04/21/07	0815	7.5	400	387	7.6		20	7	.76	.005 U	2
04/21/DUP			399		7.5		19	7	.75	.005 U	2
10/13/07	0920	9.0	407	393	7.3	7.5	19	7	.38		2

S-5 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	Cyanide	COD
			lab	field	lab	field					
05/08/09	1145	8.0	399	393	7.4	7.6	20	6	.54	.005 U	5
11/30/09	1130	7.0	394	383	7.6	7.2	15	7	.45		5 U
04/15/10	1542	6.4	391	369	7.6	7.4	17	7	.57	.005 U	5 U

S-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

S-5 **RICHLAND COUNTY LANDFILL # 102**

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/10/93	.05 U	.002 U	.30	.005 U	.005 U	.02 U	.050 U	.020 U	.05 U	.004 U	.0002 U	.02 U	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	.35	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.003	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.05 F
01/04/94	.01 J	.005 U	.30	.002 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.01	.005 U	.30	.002 J	.0005 U	.002 J	.005 U	.002 F	.05 J	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 U
10/18/94	.005 F	.005 U	.29	.002 U	.0005 U	.002 U	.005 U	.007 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 U
06/21/95	.002 U	.005 U	.34	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 J
12/20/95	.002 U		.30	.002 U				.001 U	.05 U	.002 U		.02 U				.05 U	.02 U
07/14/96	.004 U	.005 U	.31	.002 U	.011 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/24/96	.002 U	.005 U	.28	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.32	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02 U
09/13/97	.003 U		.33	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02
05/29/98	.003 U	.005 J	.30	.001 U	.0002	.001 U	.001 U	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		.31	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 U
05/22/99	.003 U	.005 U	.30	.001 U	.0001 U	.001 U	.002 U	.001 J	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/25/99	.003 U		.32	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.30	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 B	.005 J	.0005 M	.002 U	.05 U	.02 U
11/16/00	.05 U		.30	.001 U				.01 U	.03 U	.01 U		.01				.1	.01
04/28/01	.05 U	.005 U	1.1	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/01	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
DUP	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/31/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/04/03	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/09/06	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/9DUP	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
4/21/DUP	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/13/07	.05 U		.3	.001 U				.01 U	R	.01 U		.01 U				.1 U	.01 U
05/08/09	.005 U	.005 U	.3	.001 U	.001	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
04/15/10	.005 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

S-5 **TRACE METALS**

S-5 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/10/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/18/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 J	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/24/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/29/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/15/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 ORGANICS - TABLE ONE LIST

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/10/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/04/94	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/18/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/24/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/29/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/06DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/30/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/15/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/10/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
01/04/94	50 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/18/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/24/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/29/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/15/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH						
				lab	field	lab	field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
02/09/93	1050	24.92	11.5	1170	1202	6.5	6.6	27	25	1.24	.005 U	27
06/23/93	1200	23.55	11.5	1780	1650	6.8	6.6	19	153	.60	.005 U	105
01/04/94	1515	23.42	10.0	538	498	6.7	7.0	27	16	10.6	.005 U	19
05/11/94	1445	23.31		605 F		6.8		56	15	4.7	.005 U	70 F
05/11/94 D				398 F		6.8		49	17	4.6	.005 U	141 F
10/19/94	1500	23.33	11.0	821	717	7.4	6.6	27	14	47	.005 U	88
06/21/95	1405	28.01	11.0	936	793	6.7	6.6	28	11	14.6 F	.005 U	66 F
08/01/95	1815	27.71	11.5		940		6.5					
12/20/95	1545	28.15	11.0	1050	1050	6.7	6.6	21	12	35		171 F
07/13/96	1150	28.43	11.0	1210	1350	6.6	6.6	25	38 F	22	.005 U	89
11/23/96	1050	28.62	7.0	1340	1450	6.8	6.7	25	15	42	.005 U	126
05/17/97	1015	27.74	11.0	1270	1290	6.6	6.4	23	15	26	.005 U	50
09/12/97	1820	27.95	12.0	1170	1220	6.7	6.5	41	9	25		36 F
05/30/98	1430	27.88	11.0	1250	1300	6.7	6.6	28	17	17.6		20
12/13/98	1155	28.39	11.0	960	1030	6.6	6.2	21	6	12	.005 M	14
05/21/99	1655	27.96	11.5	1060	1130	6.7	7.0	27	9	12	.005 M	22
05/21/99 D				1070		6.7		28	9	13	.005 M	27
09/23/99	1350	28.30	12.0	1220	1240	6.6	6.6	27	12	21.5		20
05/27/00	1240	28.77	11.0	1110	1220	6.8	7.0	28	12	27.5	.005 M	35 F
11/16/00	1245	28.95	9.0	R	1150	6.9	6.4	22	10	39.9		
04/28/01	1220	27.01	13.0	1220	1330	6.5	6.9	35	8	2.82	.005 U	21
10/26/01	1700	27.99	9.5	874	1010	6.7		22	7	7.00		
04/26/02	1830	28.45	10.5	1220	1330	6.8	6.5	23	10	9.97	.005 U	12
10/26/02	0815	28.67	9.5	1140	1170	6.8	6.9	18	7	29.8		1 U
05/31/03	0630	28.93	10.5	949	980	6.6	6.7	15	6	16.2	.005 U	2
10/03/03	1800	29.06	12.0	824	920	6.5	6.5	15	6	20.2		4
06/05/04	1720	28.33	11.0	1290	1420	6.8	6.7	45	14	12.8	.005 U	19
12/02/04	1520	28.91	9.5	1050	1180	6.5	6.9	24	8	11.8		16
05/13/05	1415	29.15	11.0	848	880	6.8	7.0	16	4	19.9	.005 U	13
09/09/05	1815	29.23	11.5	845	849	6.9	7.4	20	5	22.3		22
04/22/06	0930	29.35	12.0	721	804	6.9	7.2	16	4	13.1	.005 U	8
10/07/06	1205	29.25	11.5	891	857	6.7	7.2	21	5	16.8		20
04/21/07	0910	29.49	10.0	1010	984	6.7	6.8	22	6	31.4	.005 U	13
10/13/07	1058	29.50	10.0	921	898	6.5	7.0	19	5	30.7		9

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/12/08	1550	29.67	11.0	918	916	6.6	7.0	23	5	25.5	.005 U	27
09/19/08	1810	29.82	11.0	819	810	6.3	6.8	16	7	25.2		4
05/08/09	1535	28.94	11.0	877	928	6.6	6.2	26	5	13.1	.005 U	16
11/30/09	1445	29.84	8.0	634	610	6.5	6.6	11	2	6.35 D		31
04/16/10	1252	27.64	10.3	1020	994	6.7	6.6	52	2	33.8	.005 U	11

SL-1 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-1 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.003	3.30	.005 U	.0005 U	.02 U	.05 U	.02 U	.56	.004 U	.0002 U	.02	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	5.90	.002 U	.0005 U	.002 U	.008	.003	.05 U	.002 U	.0005 U	.05	.005 U	.0002 U	.01 U	.05 U	.05 F
01/04/94	.01 J	.005 U	1.60	.004 M	.0005 U	.002 U	.005 U	.001	.05 J	.002 U	.0002 U	.02	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.003	.005 J	0.30	.002 J	.0012	.002 U	.005 J	.005 F	.11	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 J
05/11/94 D	.002 U	.005 J	0.30	.002 J	.0011	.002 U	.005 J	.002 F	.14	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.008 F	.005 U	0.76	.002 U	.0005 U	.002 U	.005 J	.011 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02
06/21/95	.002 U	.005 U	1.05	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02	.005 U	.0002 U	.002 U	.05 J	.05
12/20/95	.002 U		1.23	.002 U				.002	.05 J	.005 U		.02				.05 U	.02 U
07/13/96	.004 U	.005 U	1.72	.002 U	.003 F	.002 U	.005 J	.002	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/23/96	.002 U	.005 U	1.65	.001 U	.0005 U	.002 U	.005 J	.001 U	.05 J	.001 U	.0002 U	.03	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	2.04	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 J	.005 U	.0005 U	.002 U	.05 U	.02 J
09/12/97	.003 U		1.76	.001 U				.001	.05 U	.003 U		.02 U				.05 U	.04
05/30/98	.003 U	.005 U	1.92	.001 U	.0002	.001 U	.001	.001	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		1.53	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02
05/21/99	.003 U	.005 U	1.70	.001 U	.0001 U	.001 U	.002 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
05/21/99 D	.003 U	.005 U	1.65	.001 U	.0001 U	.001 U	.002 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/23/99	.003 J		1.79	.001 U				.001	.05 U	.003 U		.02 J				.05 J	.02 U
05/27/00	.003 U	.005 J	1.66	.001 U	.0001	.005 J	.002 J	.005 J	.05 U	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 U	.02 U
11/16/00	.05 U		1.50	.001 U				.01 U	.03 U	.01 U		.03				.1 J	.02
04/28/01	.05 U	.005 U	2.0	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01	.005 U	.005 U	.1 U	.1 U	.01
10/26/01	.05 U		1.5	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01 U
04/26/02	.05 U	.005 U	1.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		1.5	.001 U				.01 U	.03 U	.01 U		.01				.1 U	.01 U
05/31/03	.05 U	.005 U	1.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		1.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	1.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		1.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	1.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		1.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	1.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/07/06	.05 U		1.2	.001 U				.01 U	.04	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	1.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.02
10/13/07	.05 U		1.3	.001 U				.01 U	.18	.01 U		.01 U				.1 U	.02
04/12/08	.005 U	.005 U	1.0	.001 U	.001 U	.01 U	.01 U	.01 U	.09	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	0.01 U
09/19/08	.005 U		1.0	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.02
05/08/09	.005 U	.005 U	1.0	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	0.01 U
04/16/10	.005 U	.005 U	1.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	0.01 U

SL-1 **TRACE METALS**

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	11	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
05/30/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/21/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1 ORGANICS - TABLE ONE LIST

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	9	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	8	5 U	1 U	1 U	2 U	1 U	31	1 U	1 U	1 U	1 U	5	25 U	10 U
01/04/94	2 U	1 U	2	5 U	1	1 U	2 U	1 U	2	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 J	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 M	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	3.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	2.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/30/09	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/16/10	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1
01/04/94	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
05/30/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
02/09/93	1715	49.80	11.5	1410		6.6	6.7	50	22	9	.005 U	16
06/23/93	1700	49.35	12.5	1460	1360	7.0	6.8	45	18	6.6	.005 U	8
01/05/94	1230	48.43	9.5	1420	1035	7.3	7.2	26	40	7.7	.005 U	31
05/11/94	1650	48.25	14.0	1350 F	1333	7.3	6.8	36	19	5.8	.005 U	14 F
10/19/94	1310	47.95	11.5	1110	944	7.6	7.0	29	23	4.6	.005 U	17
06/21/95	1305	49.40	12.0	1390	1169	7.0	6.8	56	13	6.66 F	.005 U	18 F
08/01/95	1730	49.30	13.0		1280		6.8					
12/20/95	1630	49.47	11.0	1270	1200	7.0	6.4		10	3.02		71 F
07/13/96	1340	51.47	13.0	1300	1360	6.9	6.8	67	14 F	4.7	.005 U	41
07/13/96 D			13.0	1310	1350	6.9	6.8	67	60 F	4.5	.005 U	35
11/23/96	1215	51.64	9.0	1240	1400	6.8	6.9	74	19	3.8	.005 U	41
05/17/97	1200	51.21	13.0	1280	1340	6.9	6.8	39	36	6.2	.005 U	50
09/13/97	1305	51.16	13.5	1420	1470	6.9	7.0	42	74	6.8		34 F
05/31/98	1320	51.19	13.5	2470	2600	6.9	7.1	37	230	17.8		32
12/13/98	1015	51.44	10.5	1600	1670	6.8	6.4	46	119	8.49	.005 U	17
05/21/99	1400	51.25	12.5	1980	2300	6.8	7.1	44	166	25	.005 U	45
09/24/99	1015	51.50	12.0	2260	2350	6.8	6.6	29	290	13.4		19
09/24/99 D				2130		6.8		31	282	10.7		25
05/27/00	1045	51.73	12.5	1480	1630	6.9	6.9	57	112	7.38	.005 M	19 F
05/27/00 D				1540		6.9		59	112	7.51	.005 M	12 F
11/16/00	1410	51.92	8.5	1330	1500	7.2	6.7	57	70	5.94		
11/16/00 D				1320		7.1		54	72	5.53		
04/27/01	1700	51.24	13.0	1330	1400	6.9	6.6	49	79	9.11	.005 U	17
10/27/01	1430	51.20	10.5	1690	1980	6.9		54	166	18.4		
10/27/01 D				1680		6.9		54	170	18.6		
04/26/02	1925	51.45	11.0	1330	1450	7.0	6.5	45	61	7.37	.005 U	1 U
10/25/02	1500	51.64	10.0	1340	1340	7.3	7.4	54	40	5.16		1 U
05/31/03	0725	51.82	10.5	1340	1350	6.8	6.8	60	48	5.61	.005 U	1 U
10/03/03	1725	51.97	13.5	1220	1320	6.8	6.6	66	40	5.29		1 U
06/05/04	1600	51.57	13.0	1140	1250	6.9	7.2	48	57	6.96	.005 U	6
12/03/04	1350	51.92	11.0	1060	1155	6.7	6.8	44	34	3.58		5
12/03/04DUP				1060		6.8		44	34	3.48		4
05/13/05	1530	52.08	12.0	1110	1160	7.0	7.0	53	31	4.23	.005 U	5
09/10/05	1010	52.11	12.5	1130	1092	7.2	7.2	50	25	4.41		5

SL-2 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
04/22/06	0800	52.30	11.0	1040	1156	7.1	7.2	64	28	5.12	.005 U	3
10/07/06	1308	52.31	11.5	1130	1090	6.9	7.2	59	30	4.16		5
04/21/07	1130	52.44	10.5	1210	1170	6.8	6.8	70	34	4.79	.005 U	6
10/12/07	1700	52.53	9.5	1220	1173	7.0	7.1	77	38	4.35		4
04/13/08	1455	52.63	10.0	1230	1246	6.8	6.8	88	46	4.72	.005 U	11
09/19/08	1700	52.81	10.5	1270	1224	6.6	6.9	89	47	5.23		4
05/08/09	1630	52.76	11.0	1270	1255	6.8	6.1	97	50	5.41	.005 U	7
11/30/09	1420	52.98	8.0	1180	1170	6.9	7.0	81	53	5.11		14
04/16/10	1352	52.50	11.2	1170	1135	7.0	6.8	98	49	5.2	.005 U	5

SL-2 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-2 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.002 U	.90	.005 U	.005 U	.02 U	.05 U	.02 U	.05 U	.004 U	.0002 U	.02 U	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	.92	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
01/05/94	.01 J	.005 U	.80	.007 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.04 U	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.008	.005 U	.80	.012	.0005 U	.002 J	.005 J	.003 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.003 F	.005 U	.74	.002 U	.0005 U	.002 U	.005 U	.001 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/21/95	.002 U	.005 U	.90	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.04
12/20/95	.002 U		.70	.002 U				.001 U	.05 J	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 U	.67	.002 U	.002 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
07/13/96 D	.004 U	.005 U	.68	.002 U	.0005 F	.002 U	.005 U	.001	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/23/96	.002 U	.005 U	.52	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.62	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02 J
09/13/97	.003 U		.71	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/31/98	.003 U	.005 U	1.22	.001 U	.0001	.001 U	.001 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 J
12/13/98	.003 U		.82	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/21/99	.003 U	.005 U	.99	.001 U	.0001 U	.001 U	.003 J	.001 J	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/24/99	.003 U		1.02	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
09/24/99 D	.003 J		1.02	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.75	.001 U	.0001 J	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 J	.02 U
05/27/00 D	.003 J	.005 J	.75	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 J	.02 U
11/16/00	.05 U		.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 J
11/16/00 D	.05 U		.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.02
04/27/01	.05 U	.005 U	.7	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/27/01 D	.05 U		.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/26/02	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		.6	.001 U				.01 U	.03 U	.01 U		.01				.1 U	.01
05/31/03	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.5	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
12/03/04DU	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/07/06	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/19/08	.005 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/08/09	.005 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
04/16/10	.005 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-2 TRACE METALS

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	ChlorO dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	1 U	14 U	2 U	1 U	1 U	1 U	1	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	2	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/24/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
05/27/00 D	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U

SL-2 ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	ChlorO dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U

SL-2 ORGANICS - TABLE ONE LIST

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	3	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	1	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
07/13/96 D	1 U	1 U	1 U	5 U	1 J	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
05/27/00 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/16/00 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04DUP	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/30/09	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/16/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	32 U	5 U	1 U	1 U	2 U	19	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	11	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
07/13/96 D	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/13/97	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	8	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 X	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/24/99 D	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
05/27/00 D	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	8.9	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	7.4	1 U	1.1	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	4.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	4.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	5.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	4.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	5.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	5.2	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	6.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	5.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	4.6	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	4.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	4.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	5.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	**4.6**	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U

SL-2

ORGANICS - TABLE ONE LIST

1 U

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$\text{no}_3 + \text{no}_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1530	73.46	10.0	2063	2070	6.7	6.9	24	108	9.2	.005 U	15
06/23/93	1530	73.41	11.0	2070	1620	6.9	6.8	21	116	8.4	.005 U	10
01/05/94	0945	73.11	8.5	1800	1560	6.9	7.1	17	127	8.0	.005 U	16
05/11/94	1210	72.92	11.5		1944	7.1	7.0	24	136	6.8	.005 U	21 F
10/19/94	1115	72.57	10.0	1810	1417	7.1	7.1	16	134	6.4	.005 U	24
06/21/95	1125	75.66	10.5	2070	1980	7.0	6.8	18	116	5.27 F	.005 U	18 F
08/01/95	1600	75.60	12.5		2300		6.8					
12/20/95	0830	75.52	10.0	2170	1910	7.1	6.7	16	142	5.3		44 F
07/13/96	1725	75.54	13.0	2130	2450	7.2	6.8	25	259 F	6.5	.005 U	57
11/25/96	0915	75.57	4.0	2200	2600	7.1	7.1	24	162	4.6	.005 U	14
05/17/97	1430	75.42	12.0	2040	2400	7.0	6.9	20	162	5.7	.005 U	42
09/13/97	1100	75.18	12.0	2090	2400	7.0	7.4	24	166	4.2		21 F
05/30/98	1040	75.18	12.0	2360	2500	7.0	6.7	16	174	5.16		22
12/12/98	1125	75.33	11.0	2300	2200	6.9	6.6	30	159	4.81	.005 M	30
05/21/99	0955	75.27	10.5	2390	2800	7.0	6.6	18	176	2.37	.005 M	70
09/23/99	1030	75.25	12.0	2580	2800	6.9	6.7	5 U	182	1.89		48
05/26/00	1645	75.38	12.0	2560	3000	6.8	6.8	26	238	3.00	.005 M	33 F
11/17/00	1030		10.0	2580	3000	6.9		24	309	2.95		
04/27/01	1840	75.57	13.0	2700	3000	6.7	6.5	21	359	2.11	.005 U	29
10/27/01	1045	75.18	9.5	2930	3300	6.8		26	399	1.93		
04/26/02	1740	75.14	10.5	2920	3300	6.8	6.9	14	418	.59	.005 U	21
10/25/02	1645	75.35	10.0	3370	3700	7.0	6.2	12	497	.67		41
05/30/03	1620	75.53	13.0	3670	3950	6.6	6.9	17	582	1.56	.005 U	16
10/03/03	1045	75.63	12.0	3340	3650	6.6	6.4	16	640	1.43		12
06/05/04	1115	75.49	12.0	3370	4000	6.8	6.4	19	645	1.98	.005 U	48
12/02/04	1250	75.67	10.0	3410	3990	6.6	6.7	19	617	1.19		25
05/13/05	1320	75.71	11.0	3460	3850	6.9	6.8	21	602	0.96	.005 U	12
09/09/05	1520	75.78	11.5	3330	3440	7.3	7.4	20	578	0.89		15
04/22/06	1200	75.91	13.0	2830	3320	6.9	7.2	19	547	.82	.005 U	8
10/09/06	1210	75.95	11.0	3260	3130	6.8	7.6	20	516	.80		27
04/21/07	1030	76.02	10.5	3330	3170	6.8	6.5	22	529	.65	.005 U	15
10/12/07	1620	76.09	10.0	3230	3220	6.7	6.9	18	468	.35		10

SL-3

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
04/12/08	1703	76.18	10.5	2990	3000	6.7	6.6	17	447	.79	.005 U	18
09/19/08	1620	76.25	10.5	2840	2665	6.6	6.8	20	426	.52		9
05/08/09	1735	76.29	11.0	2810	2683	6.8	6.0	20	382	.81	0	17
12/02/09	1045	76.44	9.0	2510	2570	6.8	6.8	14	300	.58		15
04/17/10	1744	76.49	11.5	2500	2434	6.8	6.7	15	276	.48	.005 U	9
4/17DUP				2570		6.8		16	307	.50		9

SL-3 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-3 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.002	2.4	.005 U	.005 U	.02 U	.05 U	.02 U	.05 U	.004 U	.0002 U	.02 U	.005	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	2.45	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
01/05/94	.01 J	.005 J	2.3	.011 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.04 J	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.008	.005 U	2.2	.015	.0005 U	.002 U	.005 J	.002 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.005 F	.005 U	1.94	.002 U	.0005 U	.002 U	.005 J	.009 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 U
06/21/95	.004 J	.005 U	2.32	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.04
12/20/95	.002 U		1.89	.002 U				.001 U	.05 U	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 J	2.4	.002 U	.005 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/25/96	.004 U	.005	1.79	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	2.49	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.04
09/13/97	.003 U		2.41	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.03
05/30/98	.003 U	.005 J	2.63	.001 U	.0001 U	.001 U	.001	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
12/12/98	.003 U		2.6	.001 U				.001	.05 U	.003 U		.02 J				.05 U	.02 J
05/21/99	.003 U	.005 J	2.87	.001 U	.0001 U	.001 U	.002 U	.001 J	.06	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
09/23/99	.003 J		3.11	.001 U				.001 J	.05 U	.003 U		.02 U				.05 J	.02 U
05/26/00	.003 J	.005 J	3.28	.001 U	.0001 J	.009	.002	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 J	.02
11/17/00	.05 U		3.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 J
04/27/01	.05 U	.005 J	3.9	.001 U	.001 U	.01 U	.01 U	.01	.03 F	.01 U	.001 U	.02	.005 J	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		4.0	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01 U
04/26/02	.05 U	.005 J	3.3	.001 U	.001 U	.01 U	.01 U	.01 U	.04	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		4.0	.001 U				.01 U	.03 U	.01 U		.04				.1 U	.01
05/30/03	.05 U	.005 U	4.1	.001 U	.001 U	.01 U	.01 U	.02	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		3.8	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01
06/05/04	.05 U	.005 U	3.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		3.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	4.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.005 U	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		4.0	.001 U				.01 U	.04	.01 U		.01				.1 U	.01 U
04/22/06	.05 U	.005 U	3.6	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		3.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	3.4	.001 U	.001 U	.01	.01 U	.01 U	.03 U	.01 U	.001 U	.03	.006	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		3.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/12/08	.005 U	.005 U	3.2	.001 U	.001 U	.01	.01 U	.01 U	.04	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/19/08	.005 U		3.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/08/09	.005 U	.005 U	2.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
04/17/10	.005 U	.005 U	2.9	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
4/17DUP	.005 U	.005 U	2.9	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-3 TRACE METALS

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	3	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	3	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	2	1 J	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
05/30/98	20 B	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/17/00	20 U	20 U	1.0	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	3.5	1 U	1 U	1 U
04/27/01	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
10/27/01	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
04/26/02	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U
10/25/02	20 U	20 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	2.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	2.2	1 U	1 U	1 U
10/03/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1.9	1 U	1 U	1 U
06/0504	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.2	1 U	1 U	1 U
09/09/05	20 U	20 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/22/06	20 U	20 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
10/09/06	20 U	20 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
10/12/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U

SL-3 **ORGANICS - TABLE ONE LIST**

SL-3 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/17/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
4/17DUP	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	8	1	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	13	1 U	2 U	1 U	1	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	4	4	2 U	1 U	1 J	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	4	3	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	10	4	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	3	5	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	3.4	**9.4**	1 U	1 J	**5.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	3.6	**9.7**	1 U	1 U	**7.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	3.3	**8.0**	1 U	1 J	**6.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	2.5	**6.2**	1 U	1 U	**5.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	3.2	**5.0**	1 U	1 U	**5.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	2.9	**6.4**	1 U	1 U	**7.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	3.9	**5.7**	1 U	1 U	**7.6**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
06/0504	1 U	1 U	1 U	1 U	3.3	**4.8**	1 J	1 U	**7.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	4.6	**2.8**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	4.1	**4.4**	1 U	1 U	**5.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**4.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	3.4	**3.4**	1 U	1 U	**3.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	3.8	**3.7**	1 U	1 U	**4.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	2.6	**3.7**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	4.5	**3.2**	1 U	1 U	**3.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**3.7**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	**3.6**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	3.3	**3.1**	1 U	1 U	**2.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	3.1	**3.4**	1 U	1 U	**3.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**3.7**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	**3.6**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	3.3	**3.1**	1 U	1 U	**2.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	3.1	**3.4**	1 U	1 U	**3.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/17/10	1 U	1 U	1 U	1 U	2.6	**2.8**	1 U	1 U	**2.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
4/17DUP	1 U	1 U	1 U	1 U	2.6	**2.7**	1 U	1 U	**2.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	15	1 U	1 U	2 U	3	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	32	1 U	1 U	1 U	3	1 U	1 U	1 U	1	3	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	31	1 U	1 U	1 U	3	1 U	3	1 U	1 U	3	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	15	1 U	1 U	1 U	3	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	8	1 U	1 U	1 U	2	1 U	2	1 U	1 U	2	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	14	1 U	1 U	1 U	2	1 J	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	13	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	25 X	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	26	1 U	1 U	1 U	3	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	48 X	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	32 B	1 U	1 U	1 U	2	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	28 B	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	23 B	1 U	1 U	1 U	3	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	9 B	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	40 B	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	59 B	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	2.4	1 U	1 U	1 U	4.6	1 U	2.1	1 U	1 J	1.7	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1.1	1 U	1 U	1 U	7.4	1 U	2.8	1 U	1.2	2.1	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1.1	1 U	1 U	1 U	7.0	1 U	2.6	1 U	1.1	2.2	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	6.6	1 U	2.0	1 U	1 J	1.4	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.2	1 U	1 U	1 U	5.8	1 U	2.1	1 U	1 J	1.5	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.6	1 U	1 U	1 U	8.5	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1.4	1 U	1 U	1 U	8.5	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
06/0504	20 U	20 U	1.2	1 U	1 U	1 U	6.2	1 U	1.9	1 U	1.2	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	4.0	1 U	1.2	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	7.4	1 U	1.7	1 U	1.4	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	7.8	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	5.8	1 U	1.5	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	7.4	1 U	1.4	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	8.5	1 U	1.5	1 U	1.2	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	8.4	1 U	1.7	1 U	1.4	1.0	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.7	1 U	1.2	1.0	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	6.2	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1.4	1 U	1.2	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	8.4	1 U	1.7	1 U	1.4	1.0	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.7	1 U	1.2	1.0	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	6.2	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1.4	1 U	1.2	1 J	1 U	1 U	1 U	1 U

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/17/10	20 U	20 U	1 J	1 U	1 U	1 U	6.4	1 U	1.2	1 U	1 J	1 J	1 U	1 U	1 U	1 U
4/17DUP	20 U	20 U	1 J	1 U	1 U	1 U	6.8	1 U	1.3	1 U	1.0	1 J	1 U	1 U	1 U	1 U

SL-4 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
10/21/94	1330	77.29	10.0	1850	1407	7.1	7.2	57	189	12	.005 U	45
06/20/95	1615	76.96	9.5	2380	2170	7.0	7.0	66	246	5.09 F	.005 U	20 F
08/01/95	1500	76.91	11.0		2400		6.9					
12/20/95	1030	77.06	9.5	2450	2300	7.1	7.0	62	278	12		72 F
07/14/96	1500	77.33	11.0	2530	2700	6.9	6.8	75	489 F	16	.005 U	18
11/25/96	1220	77.49	6.0	2490	2800	7.0	6.9	84	268	12.6	.005 U	20
05/18/97	1030	77.47	9.5	2390	2800	6.9	7.3	78	277	13	.005 U	39
05/18/97 D				2160		7.0		78	270	13	.005 U	48
09/12/97	1650	77.40	10.5	2470	2800	6.9	7.0	81	262	9.7		17 F
05/30/98	1250	77.39	11.0	2500	2700	6.9	6.8	132	197	13.6		11
05/30/98 D				2430		7.0		134	207	13.6		13
12/12/98	1315	77.48	10.0	2490	2700	6.8	6.8	146	167	13.9	.005 M	32
05/21/99	1205	77.50	10.0	2490	2800	6.9	7.1	162	167	14	.005 M	61
09/23/99	1210	77.52	10.0	2550	2700	6.8	6.8	160	168	12.5		50
05/26/00	1840	77.60	10.0	2390	2800	6.9	6.8	212	197	12.0	.005 M	56 F
11/17/00	1200	77.72	9.0	2340	2900	7.2		200	188	12.0		
04/28/01	0845	77.75	10.5	2430	2800	6.9	7.5	220	192	10.8	.005 U	21
10/27/01	1155	77.52	9.5	2480	2800	6.9		221	197	10.4		
04/27/02	0950	77.42	10.0	2500	2800	7.0	6.5	167	211	11.4	.005 U	11
10/25/02	1810	77.54	8.5	2670	3000	7.2	6.1	146	226	11.7		21
05/30/03	1345	77.74	11.5	2720	3000	6.8	7.1	149	208	12.2	.005 U	20
10/03/03	1205	77.83	11.0	2440	3000	6.9	6.7	133	200	12.1		13
06/05/04	1000	77.78	12.0	2470	2800	6.9	6.4	181	181	12.4	.005 U	46
12/02/04	1435	77.83	9.5	2450	2800	6.7	6.8	172	186	11.4		19
05/13/05	1140	77.94	10.5	2470	2900	7.3	7.2	169	184	11.6	.005 U	15
09/09/05	1700	78.00	11.0	2400	2430	7.3	7.3	169	178	13.9		17
04/22/06	1740	78.13	13.0	2130	2445	7.1	7.5	167	1 U	13.5	.005 U	16
10/09/06	1640	78.22	10.5	2480	2430	7.0	7.4	176	162	19.1		17
04/21/07	1620	78.32	10.0	2490	2425	7.0	6.7	176	144	17.9	.005 U	16
10/12/07	1505	78.41	7.0	2480	2390	6.9	7.0	182	125	16.6		21
04/12/08	1817	78.51	10.0	2370	2383	7.0	6.9	199	119	17.7	.005 U	23
09/20/08	1020	78.59	11.0	2380	2365	6.9	6.0	222	105	14.1		18
9/20/DUP				2380		6.9		223	105	13.9		17
05/09/09	1200	78.74	10.5	2350	2314	7.1	6.2	270	94	13.9	.005 U	14
12/02/09	845	78.83	9.0	2260	2260	7.1	6.8	292	80	14.0		37

SL-4 PHSYICAL PARAMETERS, IONS, & NUTRIENTS

SL-4

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/17/10	1235	78.92	9.9	2300	2263	7.0	6.9	322	74	16.3	.005 U	19

SL-4 PHSYICAL PARAMETERS, IONS, & NUTRIENTS

SL-4 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
10/21/94	.005 F	.005 U	.28	.002 U	.0005 U	.002 U	.005 J	.003 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/20/95	.002 U	.005 U	.21	.002 U	.0005 U	.002 U	.005 U	.002	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.05
12/20/95	.002 U		.12	.002 U				.001 U	.05 U	.002 U		.02 U				.05 U	.02 J
07/14/96	.004 U	.005 U	.22	.002 U	.003 F	.002 U	.005 U	.001	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/25/96	.002 U	.005 U	.17	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/18/97	.002 U	.005 U	.24	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.03
05/18/97 D	.002 U	.005 U	.24	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02
09/12/97	.003 U		.24	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.04
05/30/98	.003 U	.005 U	.24	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 J
05/30/98 D	.003 U	.005 U	.24	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
12/12/98	.003 U		.22	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02 J
05/21/99	.003 U	.005 U	.24	.001 U	.0001	.001 U	.002 J	.001	.55	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/23/99	.003 U		.18	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/26/00	.003 J	.005 J	.16	.001 U	.0001 J	.007	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 U	.02 U
11/17/00	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01
04/28/01	.05 U	.005 U	.2	.001 U	.001 J	.01 J	.01 U	.01	.03 F	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/27/02	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		.2	.001 U				.01 U	.03	.01 U		.03				.1 U	.01
05/30/03	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.007	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01
06/05/04	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03	.01 U	.001 U	.01	.009	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.06	.01 U	.001 U	.01	.006	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.007	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
04/12/08	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
9/20/DUP	.005 U		.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/09/09	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03	.01 U	.001 U	.01 U	.011	.005 U	.005 U	.1 U	.01 U
04/17/10	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.014	.005 U	.005 U	.1 U	.01 U

SL-4 **TRACE METALS**

SL-4 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
10/21/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
11/25/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
05/18/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/18/97 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/30/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
10/21/94	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	5	1 U	4	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	4	1 U	4	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/18/97	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/18/97 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	4	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98 D	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	3	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 M	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	1 U	1 J	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 J	1.1	1 U	1 U	1.7	1 U	2.1	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1.0	1 U	1 U	1.7	1 U	2.2	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 J	1 U	1 U	1.2	1 U	1.5	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.5	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.8	1 U	1.9	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.8	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.4	1 U	1.4	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.3	1 U	1.4	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.2	1 U	1.6	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.4	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.2	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.1	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1.1	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
9/20/DUP	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/09/09	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/17/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-4

ORGANICS - TABLE ONE LIST

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
10/21/94	20 J	10 J	5 U	1 U	1 U	1 U	13	1 J	1	1 U	1 J	2	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 J	1 U	1 U	1 U	26	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 X	1 U	1 U	1 U	30	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 X	1 U	1 U	1 U	33	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	5 U	1 U	1 U	1 U	31	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
11/25/96 D	20 U	20 U	5 U	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/18/97	20 U	20 U	5 X	1 U	1 U	1 U	29	1 U	2	1 U	1	3	1 U	10 U	1 U	1 U
05/18/97 D	20 U	20 U	5 X	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 B	1 U	1 U	1 U	34	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 B	1 U	1 U	1 U	39	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
05/30/98 D	20 U	20 U	5 B	1 U	1 U	1 U	38	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	36	1 U	2	1 U	1	2	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 B	1 U	1 U	1 U	27	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 B	1 U	1 U	1 U	34	1 U	1 U	1 U	1	1	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	5 B	1 U	1 U	1 U	30	1 U	1	1 U	1 J	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1.1	1 U	1 U	1 U	32	1 U	1.2	1 U	1.1	1 J	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 J	1 U	1 U	1 U	34	1 U	1.3	1 U	1.2	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 J	1 U	1 U	1 U	28	1 U	1.1	1 U	1.0	1 J	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.1	1 U	1 U	1 U	31	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.0	1 U	1 U	1 U	32	1 U	1 J	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	23	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	33	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	25	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	20	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	28	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	22	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	23	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-4 ORGANICS - TABLE ONE LIST

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	no$_3$ + no$_2$ as N	cyanide	cod
				lab	field	lab	field					
11/03/94	0900	83.03	5.0	957	734	7.5		73	20	.92	.005 U	30
06/20/95	1240	83.51	9.5	1020	803	7.4	7.1	29	15	.63 F	.005 U	57 F
08/01/95	1400	83.50	11.5		950		6.9					
12/20/95	1215	83.63	9.5	1130	950	7.5	7.2	44	20	1.19		34 F
07/13/96	1930	83.50	10.5	1050	1090	7.3	7.2	32	104 F	.95	.005 U	27
11/23/96	1445	84.11	7.0	989	1090	7.5	7.4	30	17	.60	.005 U	33
05/19/97	0950	84.02	10.0	996	1200	7.3	7.6	51	19	1.4	.005 U	57
09/12/97	1250	83.95	11.0	1150	1190	7.3	7.3	72	23	1.35		32 F
09/12/97 D				1140		7.3		63	23	1.17		63 F
05/31/98	1530	83.80	12.0	896	980	7.5	7.2	22	17	.47		25
12/12/98	1500	83.94	10.5	811	900	7.4	7.3	28	16	.88	.005 M	9
05/22/99	1050	84.95	10.0	901	1000	7.5	7.1	27	16	1.39	.005 M	44
09/24/99	1155	84.00	11.0	902	1100	7.3	7.3	21	286 R	1.01		33
05/27/00	0915	84.09	10.5	783	850	7.4	7.3	28	12	.54	.005 M	19 F
11/17/00	1345	84.22	9.0	726	830	7.7		23	11	.53		
04/28/01	1050	84.14	11.0	877	990	7.3	7.5	23	16	1.04	.005 U	21
10/27/01	1330	83.97	10.5	992	1010	7.3		34	18	1.11		
04/27/02	1135	83.78	10.0	826	890	7.4	7.4	28	12	.29	.005 U	12
10/26/02	0940	83.96	9.5	832	870	7.4	7.4	25	11	.59		13
05/30/03	1740	84.22	12.0	931	940	7.2	7.5	42	12	1.19	.005 U	5
10/03/03	1450	84.33	12.0	866	990	7.2	7.0	61	12	1.32		4
06/05/04	1500	84.16	13.0	882	970	7.4	7.3	47	13	1.05	.005 U	25
12/03/04	1245	84.33	9.5	786	800	7.1	7.2	31	11	.59		9
05/14/05	1045	84.47	10.5	795	850	7.5	7.4	3	1 U	.64	.005 U	8
09/10/05	0900	84.52	10.5	795	790	7.5	7.2	28	11	.68		11
04/22/06	1610	84.69	13.0	704	759	7.6	7.4	27	9	.61	.005 U	7
10/09/06	1515	84.74	10.5	791	761	7.4	7.0	26	10	.64		6
04/21/07	1505	84.86	10.0	763	732	7.4	7.2	22	9	.50	.005 U	9
10/13/07	1200	84.94	10.0	737	722	7.2	7.3	21	8	.43		6
04/13/08	1400	85.03	10.5	683	696	7.4	7.4	19	7	.40	.005 U	10
09/20/08	1140	85.12	11.0	685	632	7.3	6.9	25	7	.40		11
05/09/09	1315	85.27	10.5	675	654	7.4	6.6	24	6	.41	.005 U	3
12/02/09	1500	85.37	8.0	657	670	7.4	7.3	18	6	.33		8

SL-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-5 **RICHLAND COUNTY LANDFILL # 102**

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/18/10	0841	85.40	9.4	690	664	7.4	7.3	19	6	.52	.005 U	16

SL-5 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

SL-5 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
11/03/94	.002 F	.005 U	.20	.002 U	.0005 U	.002 U	.002 U	.009 F	.40	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/20/95	.002 U	.005 U	.37	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 J	.03
12/20/95	.002 U		.37	.002 U				.001 U	.05 J	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 U	.40	.002 U	.011 F	.002 U	.005 U	.001 U	.03	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/23/96	.002 U	.005 U	.32	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/19/97	.002 U	.005 U	.45	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.09
09/12/97	.003 U		.49	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.03
09/12/97 D	.003 U		.49	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.03
05/31/98	.003 U	.005 U	.37	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 J
12/12/98	.003 U		.34	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.02 U
05/22/99	.003 U	.005 U	.38	.001 U	.0001 U	.001 U	.002 U	.001 J	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/24/99	.003 U		.35	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.29	.001 U	.0001 J	.005 J	.002 J	.005 U	.05 J	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 U	.02 J
11/17/00	.05 U		.3	.001 U				.01 U	.07	.01 U		.01 U				.1 U	.01 J
04/28/01	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.04 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.5	.001 U				.01 U	.07	.01 U		.01 J				.1 U	.01 U
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.3	.001 U				.01 U	.09	.01 U		.01 U				.1 U	.01
05/30/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.08	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.4	.001 U				.01 U	.07	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.4	.001 U				.01 U	.08	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.3	.001 U				.01 U	.05	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.3	.001 U				.01 U	.05	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.02
10/13/07	.05 U		.3	.001 U				.01 U	.06	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.08	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.3	.001 U				.01 U	.08	.01 U		.01 U				.1 U	.01 U
05/09/09	.005 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.06	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
04/18/10	.005 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.08	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-5 TRACE METALS

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
11/03/94	20 X	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 J	1 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/19/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
09/12/97 D	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/18/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
11/03/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/19/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97 D	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/09/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/18/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

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SL-5 RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
11/03/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/19/97	20 U	20 U	5 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/18/10	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-6

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/02/09	1315	79.38	9.0	1460	1490	7.4	7.1	166	45	7.1	.005 U	15
04/18/10	0948	79.49	9.5	1530	1491	7.2	7.1	163	48	8.9	.005 U	13

SL-6 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

SL-6 CHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
12/02/09	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.009	.005 U	.005 U	.1 U	.01 U
04/18/10	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.33	.01 U	.001 U	.01 U	.010	.005 U	.005 U	.1 U	.01 U

SL-6 TRACE METALS

SL-6 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/02/09	20 U	20 U	3.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/18/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-6 ORGANICS - TABLE ONE LIST

SL-6 RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/02/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/18/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-6 ORGANICS - TABLE ONE LIST

SL-6 RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	12	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U
04/18/10	20 U	20 U	1 U	1 U	1 U	1 U	17	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-6 ORGANICS - TABLE ONE LIST

SL-7 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/01/09	1541	64.03	8.0	1600	1610	7.0	6.6	154	14	8.2	.005 U	23
04/17/10	1058	64.13	9.4	1560	1504	6.9	6.9	164	12	9.2	.005 U	12

SL-7 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-7 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
12/01/09	.005 U	.005 U	.1 U	.001 U	.001 U	.01 U	.01 U	.01 U	.35	.01 U	.001 U	.01	.005 U	.005 U	.005 U	.1 U	.01 U
04/17/10	.005 U	.005 U	.1 U	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01	.005 U	.005 U	.005 U	.1 U	.01 U

SL-7 TRACE METALS

SL-7 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-7 ORGANICS - TABLE ONE LIST

SL-7 RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/17/10	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-7 ORGANICS - TABLE ONE LIST

SL-7 RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	23	1 U	2.8	1 U	1 J	1.2	1 U	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	25	1 U	2.7	1 U	1 J	1.3	1 U	1 U	1 U	1 U

SL-7 ORGANICS - TABLE ONE LIST

SL-8

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/01/09	1413	56.01	9.5	1850	1875	7.0	6.5	281	13	3.08	.005 U	30
04/17/10	1630	56.08	10.5	2270	2205	6.9	6.8	468	19	5.15	.005 U	20

SL-8 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-8 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
12/01/09	.005 U	.005 U	.2	.001 U	.001 U	1 U	.02	.01 U	.03 U	.01 U	.001 U	.03	.005 U	.005 U	.005 U	.1 U	.01 U
04/17/10	.005 U	.005 U	.1 U	.001 U	.001 U	1 U	.01	.01 U	.12	.01 U	.001 U	.02	.005 U	.005 U	.005 U	.1 U	.01 U

SL-8 TRACE METALS

SL-8 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/17/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U

SL-8 ORGANICS - TABLE ONE LIST

SL-8 RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/17/10	1 U	1 U	1 U	1 U	1 J	1.4	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-8 ORGANICS - TABLE ONE LIST

SL-8

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1.1	1 U	1 U	1 U	14	1 U	1.6	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/17/10	20 U	20 U	2.1	1 U	1 U	1 U	16	1 U	1.4	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-8

ORGANICS - TABLE ONE LIST

SL-9

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
12/01/09	0943	39.37	7.5	2170	2180	6.9	6.4	96	196	3.48	.005 U	12
12/01/DUP				2180		6.9		96	196	3.73		18
04/16/10	1453	39.41	9.8	2220	2090	6.9	6.8	104	189	4.74	.005 U	9

SL-9

PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-9 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
12/01/09	.005 U	.005 U	.2	.001 U	.001 U	.01 U	.02	.01 U	.09	.01 U	.001 U	.01	.012	.005 U	.005 U	.1 U	.01 U
12/01/DUP	.005 U	.005 U	.2	.001 U	.001 U	.01 U	.01	.01 U	.08	.01 U	.001 U	.01	.012	.005 U	.005 U	.1 U	.01 U
04/16/10	.005 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03	.01 U	.001 U	.01 U	.012	.005 U	.005 U	.1 U	.01 U

SL-9 TRACE METALS

SL-9 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/01/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U

SL-9 ORGANICS - TABLE ONE LIST

SL-9 RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1.6	3.7	1 U	1 U	2.3	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/01/DUP	1 U	1 U	1 U	1 U	1.4	3.8	1 U	1 U	2.2	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/16/10	1 U	1 U	1 U	1 U	1.3	3.6	1 U	1 U	1.9	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-9 ORGANICS - TABLE ONE LIST

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	10	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/01/DUP	20 U	20 U	1 U	1 U	1 U	1 U	9.3	1 U	1.4	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	8.6	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/15/10 16:15
Lab ID:	B10041680-001	**DateReceived:**	04/20/10
Client Sample ID:	Lamphier	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	8.2	s.u.		0.1		A4500-H B	04/20/10 14:40 / kh
Conductivity @ 25 C	504	umhos/cm		1		A2510 B	04/20/10 14:40 / kh
INORGANICS							
Alkalinity, Total as CaCO3	233	mg/L		4		A2320 B	04/22/10 19:41 / ehb
Bicarbonate as HCO3	284	mg/L		4		A2320 B	04/22/10 19:41 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 19:41 / ehb
Chloride	10	mg/L		1		E300.0	04/22/10 08:20 / kh
Sulfate	17	mg/L		1		E300.0	04/22/10 08:20 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:35 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	04/21/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 09:53 / bls
Nitrogen, Nitrate+Nitrite as N	0.19	mg/L		0.01		E353.2	04/21/10 13:12 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/03/10 12:02 / tao
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 15:52 / jjw
Barium	0.2	mg/L		0.1		SW6020	04/21/10 15:52 / jjw
Beryllium	ND	mg/L		0.001		SW6020	04/21/10 15:52 / jjw
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 15:52 / jjw
Calcium	61	mg/L		1		SW6010B	04/23/10 14:54 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 15:52 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 15:52 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 15:52 / jjw
Iron	ND	mg/L		0.03		SW6020	04/21/10 15:52 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 15:52 / jjw
Magnesium	26	mg/L		1		SW6020	04/21/10 15:52 / jjw
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 11:39 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 15:52 / jjw
Potassium	4	mg/L		1		SW6010B	04/23/10 14:54 / tao
Selenium	ND	mg/L		0.005		SW6020	04/21/10 15:52 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 15:52 / jjw
Sodium	12	mg/L		1		SW6020	04/21/10 15:52 / jjw
Thallium	ND	mg/L		0.005		SW6020	04/21/10 15:52 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 15:52 / jjw
Zinc	0.64	mg/L		0.01		SW6020	04/21/10 15:52 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-001
Client Sample ID: Lamphier

Report Date: 05/05/10
Collection Date: 04/15/10 16:15
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 13:13 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 13:13 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 13:13 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 13:13 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 13:13 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-001
Client Sample ID: Lamphier

Report Date: 05/05/10
Collection Date: 04/15/10 16:15
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
m+p-Xylenes	0.92	ug/L	J	1.0		SW8260B	04/27/10 13:13 / sbd
o-Xylene	0.48	ug/L	J	1.0		SW8260B	04/27/10 13:13 / sbd
Xylenes, Total	1.4	ug/L		1.0		SW8260B	04/27/10 13:13 / sbd
Surr: 1,2-Dichloroethane-d4	101	%REC		70-130		SW8260B	04/27/10 13:13 / sbd
Surr: Dibromofluoromethane	106	%REC		77-126		SW8260B	04/27/10 13:13 / sbd
Surr: p-Bromofluorobenzene	110	%REC		76-127		SW8260B	04/27/10 13:13 / sbd
Surr: Toluene-d8	110	%REC		79-122		SW8260B	04/27/10 13:13 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-002
Client Sample ID: S-3

Report Date: 05/05/10
Collection Date: 04/15/10 14:34
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.2	s.u.		0.1		A4500-H B	04/20/10 14:41 / kh
Conductivity @ 25 C	1150	umhos/cm		1		A2510 B	04/20/10 14:41 / kh
INORGANICS							
Alkalinity, Total as CaCO3	284	mg/L		4		A2320 B	04/22/10 19:47 / ehb
Bicarbonate as HCO3	346	mg/L		4		A2320 B	04/22/10 19:47 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 19:47 / ehb
Chloride	96	mg/L		1		E300.0	04/22/10 18:13 / kh
Sulfate	206	mg/L		1		E300.0	04/22/10 18:13 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:20 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	8	mg/L		5		E410.4	04/21/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 10:00 / bls
Nitrogen, Nitrate+Nitrite as N	0.01	mg/L		0.01		E353.2	04/21/10 13:16 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 16:32 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 16:32 / jjw
Barium	0.1	mg/L		0.1		SW6020	04/21/10 16:32 / jjw
Beryllium	ND	mg/L		0.001		SW6020	04/21/10 16:32 / jjw
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 16:32 / jjw
Calcium	147	mg/L		1		SW6010B	04/23/10 14:57 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 16:32 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 16:32 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 16:32 / jjw
Iron	0.18	mg/L		0.03		SW6020	04/21/10 16:32 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 16:32 / jjw
Magnesium	55	mg/L		1		SW6020	04/21/10 16:32 / jjw
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 11:45 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 16:32 / jjw
Potassium	4	mg/L		1		SW6010B	04/23/10 14:57 / tao
Selenium	ND	mg/L		0.005		SW6020	04/21/10 16:32 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 16:32 / jjw
Sodium	26	mg/L		1		SW6020	04/21/10 16:32 / jjw
Thallium	ND	mg/L		0.005		SW6020	04/21/10 16:32 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 16:32 / jjw
Zinc	ND	mg/L		0.01		SW6020	04/21/10 16:32 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/15/10 14:34
Lab ID:	B10041680-002	**DateReceived:**	04/20/10
Client Sample ID:	S-3	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 13:41 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 13:41 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 13:41 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 13:41 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 13:41 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-002
Client Sample ID: S-3

Report Date: 05/05/10
Collection Date: 04/15/10 14:34
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 13:41 / sbd
Surr: 1,2-Dichloroethane-d4	99.0	%REC		70-130		SW8260B	04/27/10 13:41 / sbd
Surr: Dibromofluoromethane	105	%REC		77-126		SW8260B	04/27/10 13:41 / sbd
Surr: p-Bromofluorobenzene	107	%REC		76-127		SW8260B	04/27/10 13:41 / sbd
Surr: Toluene-d8	106	%REC		79-122		SW8260B	04/27/10 13:41 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/15/10 15:42
Lab ID:	B10041680-003	**DateReceived:**	04/20/10
Client Sample ID:	S-5	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.6	s.u.		0.1		A4500-H B	04/20/10 14:43 / kh
Conductivity @ 25 C	391	umhos/cm		1		A2510 B	04/20/10 14:43 / kh
INORGANICS							
Alkalinity, Total as CaCO3	166	mg/L		4		A2320 B	04/22/10 19:53 / ehb
Bicarbonate as HCO3	203	mg/L		4		A2320 B	04/22/10 19:53 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 19:53 / ehb
Chloride	7	mg/L		1		E300.0	04/22/10 18:25 / kh
Sulfate	17	mg/L		1		E300.0	04/22/10 18:25 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:22 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	04/21/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 09:56 / bls
Nitrogen, Nitrate+Nitrite as N	0.57	mg/L		0.01		E353.2	04/21/10 13:17 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 16:36 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 16:36 / jjw
Barium	0.3	mg/L		0.1		SW6020	04/21/10 16:36 / jjw
Beryllium	ND	mg/L		0.001		SW6020	04/21/10 16:36 / jjw
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 16:36 / jjw
Calcium	49	mg/L		1		SW6010B	04/23/10 15:33 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 16:36 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 16:36 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 16:36 / jjw
Iron	ND	mg/L		0.03		SW6020	04/21/10 16:36 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 16:36 / jjw
Magnesium	17	mg/L		1		SW6020	04/21/10 16:36 / jjw
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 11:47 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 16:36 / jjw
Potassium	2	mg/L		1		SW6010B	04/23/10 15:33 / tao
Selenium	ND	mg/L		0.005		SW6020	04/21/10 16:36 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 16:36 / jjw
Sodium	5	mg/L		1		SW6020	04/21/10 16:36 / jjw
Thallium	ND	mg/L		0.005		SW6020	04/21/10 16:36 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 16:36 / jjw
Zinc	ND	mg/L		0.01		SW6020	04/21/10 16:36 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-003
Client Sample ID: S-5

Report Date: 05/05/10
Collection Date: 04/15/10 15:42
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 14:08 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 14:08 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 14:08 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 14:08 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 14:08 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-003
Client Sample ID: S-5

Report Date: 05/05/10
Collection Date: 04/15/10 15:42
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 14:08 / sbd
Surr: 1,2-Dichloroethane-d4	105	%REC		70-130		SW8260B	04/27/10 14:08 / sbd
Surr: Dibromofluoromethane	109	%REC		77-126		SW8260B	04/27/10 14:08 / sbd
Surr: p-Bromofluorobenzene	113	%REC		76-127		SW8260B	04/27/10 14:08 / sbd
Surr: Toluene-d8	107	%REC		79-122		SW8260B	04/27/10 14:08 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/15/10 15:07
Lab ID:	B10041680-004	**DateReceived:**	04/20/10
Client Sample ID:	Almond	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		A4500-H B	04/20/10 14:44 / kh
Conductivity @ 25 C	721	umhos/cm		1		A2510 B	04/20/10 14:44 / kh
INORGANICS							
Alkalinity, Total as CaCO3	235	mg/L		4		A2320 B	04/22/10 19:59 / ehb
Bicarbonate as HCO3	287	mg/L		4		A2320 B	04/22/10 19:59 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 19:59 / ehb
Chloride	13	mg/L		1		E300.0	04/22/10 08:55 / kh
Sulfate	121	mg/L		1		E300.0	04/22/10 08:55 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:24 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	6	mg/L		5		E410.4	04/21/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 10:01 / bls
Nitrogen, Nitrate+Nitrite as N	2.97	mg/L	D	0.06		E353.2	04/21/10 13:18 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 16:40 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 16:40 / jjw
Barium	0.2	mg/L		0.1		SW6020	04/21/10 16:40 / jjw
Beryllium	ND	mg/L		0.001		SW6020	04/21/10 16:40 / jjw
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 16:40 / jjw
Calcium	94	mg/L		1		SW6010B	04/23/10 15:37 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 16:40 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 16:40 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 16:40 / jjw
Iron	ND	mg/L		0.03		SW6020	04/21/10 16:40 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 16:40 / jjw
Magnesium	34	mg/L		1		SW6020	04/21/10 16:40 / jjw
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 11:49 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 16:40 / jjw
Potassium	3	mg/L		1		SW6010B	04/23/10 15:37 / tao
Selenium	0.012	mg/L		0.005		SW6020	04/21/10 16:40 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 16:40 / jjw
Sodium	10	mg/L		1		SW6020	04/21/10 16:40 / jjw
Thallium	ND	mg/L		0.005		SW6020	04/21/10 16:40 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 16:40 / jjw
Zinc	ND	mg/L		0.01		SW6020	04/21/10 16:40 / jjw

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-004
Client Sample ID: Almond

Report Date: 05/05/10
Collection Date: 04/15/10 15:07
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 14:35 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 14:35 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 14:35 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 14:35 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 14:35 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/15/10 15:07
Lab ID:	B10041680-004	**DateReceived:**	04/20/10
Client Sample ID:	Almond	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 14:35 / sbd
Surr: 1,2-Dichloroethane-d4	96.0	%REC		70-130		SW8260B	04/27/10 14:35 / sbd
Surr: Dibromofluoromethane	100	%REC		77-126		SW8260B	04/27/10 14:35 / sbd
Surr: p-Bromofluorobenzene	108	%REC		76-127		SW8260B	04/27/10 14:35 / sbd
Surr: Toluene-d8	106	%REC		79-122		SW8260B	04/27/10 14:35 / sbd

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/15/10 17:49
Lab ID:	B10041680-005	**DateReceived:**	04/20/10
Client Sample ID:	Steffen	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.3	s.u.		0.1		A4500-H B	04/20/10 14:45 / kh
Conductivity @ 25 C	1200	umhos/cm		1		A2510 B	04/20/10 14:45 / kh
INORGANICS							
Alkalinity, Total as CaCO3	294	mg/L		4		A2320 B	04/22/10 20:19 / ehb
Bicarbonate as HCO3	359	mg/L		4		A2320 B	04/22/10 20:19 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 20:19 / ehb
Chloride	41	mg/L		1		E300.0	04/22/10 09:30 / kh
Sulfate	321	mg/L		1		E300.0	04/22/10 09:30 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:26 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	7	mg/L		5		E410.4	04/21/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	0.46	mg/L		0.05		E350.1	04/22/10 10:02 / bls
Nitrogen, Nitrate+Nitrite as N	0.01	mg/L		0.01		E353.2	04/21/10 13:20 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 16:44 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 16:44 / jjw
Barium	0.1	mg/L		0.1		SW6020	04/21/10 16:44 / jjw
Beryllium	ND	mg/L		0.001		SW6020	04/21/10 16:44 / jjw
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 16:44 / jjw
Calcium	123	mg/L		1		SW6010B	04/23/10 15:41 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 16:44 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 16:44 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 16:44 / jjw
Iron	0.99	mg/L		0.03		SW6020	04/21/10 16:44 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 16:44 / jjw
Magnesium	62	mg/L		1		SW6020	04/21/10 16:44 / jjw
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 11:51 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 16:44 / jjw
Potassium	6	mg/L		1		SW6010B	04/23/10 15:41 / tao
Selenium	ND	mg/L		0.005		SW6020	04/21/10 16:44 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 16:44 / jjw
Sodium	50	mg/L		1		SW6020	04/21/10 16:44 / jjw
Thallium	ND	mg/L		0.005		SW6020	04/21/10 16:44 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 16:44 / jjw
Zinc	0.02	mg/L		0.01		SW6020	04/21/10 16:44 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/15/10 17:49
Lab ID:	B10041680-005	**DateReceived:**	04/20/10
Client Sample ID:	Steffen	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 15:02 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 15:02 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Chloroform	0.29	ug/L	J	1.0		SW8260B	04/27/10 15:02 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 15:02 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 15:02 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 15:02 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-005
Client Sample ID: Steffen

Report Date: 05/05/10
Collection Date: 04/15/10 17:49
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 15:02 / sbd
Surr: 1,2-Dichloroethane-d4	106	%REC		70-130		SW8260B	04/27/10 15:02 / sbd
Surr: Dibromofluoromethane	104	%REC		77-126		SW8260B	04/27/10 15:02 / sbd
Surr: p-Bromofluorobenzene	113	%REC		76-127		SW8260B	04/27/10 15:02 / sbd
Surr: Toluene-d8	106	%REC		79-122		SW8260B	04/27/10 15:02 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-006
Client Sample ID: SL-1

Report Date: 05/05/10
Collection Date: 04/16/10 12:52
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.7	s.u.		0.1		A4500-H B	04/20/10 14:47 / kh
Conductivity @ 25 C	1020	umhos/cm		1		A2510 B	04/20/10 14:47 / kh
INORGANICS							
Alkalinity, Total as CaCO3	391	mg/L		4		A2320 B	04/22/10 20:24 / ehb
Bicarbonate as HCO3	477	mg/L		4		A2320 B	04/22/10 20:24 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 20:24 / ehb
Chloride	2	mg/L		1		E300.0	04/22/10 09:42 / kh
Sulfate	52	mg/L		1		E300.0	04/22/10 09:42 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:28 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	11	mg/L		5		E410.4	04/21/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 10:03 / bls
Nitrogen, Nitrate+Nitrite as N	33.8	mg/L	D	0.2		E353.2	04/21/10 13:21 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 16:48 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 16:48 / jjw
Barium	1.2	mg/L		0.1		SW6020	04/21/10 16:48 / jjw
Beryllium	ND	mg/L		0.001		SW6020	04/21/10 16:48 / jjw
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 16:48 / jjw
Calcium	131	mg/L		1		SW6010B	04/23/10 15:45 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 16:48 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 16:48 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 16:48 / jjw
Iron	ND	mg/L		0.03		SW6020	04/21/10 16:48 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 16:48 / jjw
Magnesium	45	mg/L		1		SW6020	04/21/10 16:48 / jjw
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 11:54 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 16:48 / jjw
Potassium	5	mg/L		1		SW6010B	04/23/10 15:45 / tao
Selenium	ND	mg/L		0.005		SW6020	04/21/10 16:48 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 16:48 / jjw
Sodium	18	mg/L		1		SW6020	04/21/10 16:48 / jjw
Thallium	ND	mg/L		0.005		SW6020	04/21/10 16:48 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 16:48 / jjw
Zinc	ND	mg/L		0.01		SW6020	04/21/10 16:48 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/16/10 12:52
Lab ID:	B10041680-006	**DateReceived:**	04/20/10
Client Sample ID:	SL-1	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 15:30 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 15:30 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,4-Dichlorobenzene	0.62	ug/L	J	1.0		SW8260B	04/27/10 15:30 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 15:30 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 15:30 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 15:30 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-006
Client Sample ID: SL-1

Report Date: 05/05/10
Collection Date: 04/16/10 12:52
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 15:30 / sbd
Surr: 1,2-Dichloroethane-d4	94.0	%REC		70-130		SW8260B	04/27/10 15:30 / sbd
Surr: Dibromofluoromethane	101	%REC		77-126		SW8260B	04/27/10 15:30 / sbd
Surr: p-Bromofluorobenzene	110	%REC		76-127		SW8260B	04/27/10 15:30 / sbd
Surr: Toluene-d8	108	%REC		79-122		SW8260B	04/27/10 15:30 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-007
Client Sample ID: SL-2

Report Date: 05/05/10
Collection Date: 04/16/10 13:52
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.1		A4500-H B	04/20/10 14:48 / kh
Conductivity @ 25 C	1170	umhos/cm		1		A2510 B	04/20/10 14:48 / kh
INORGANICS							
Alkalinity, Total as CaCO3	468	mg/L		4		A2320 B	04/22/10 20:31 / ehb
Bicarbonate as HCO3	571	mg/L		4		A2320 B	04/22/10 20:31 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 20:31 / ehb
Chloride	49	mg/L		1		E300.0	04/22/10 09:53 / kh
Sulfate	98	mg/L		1		E300.0	04/22/10 09:53 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:30 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	5	mg/L		5		E410.4	04/23/10 10:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 10:05 / bls
Nitrogen, Nitrate+Nitrite as N	5.2	mg/L	D	0.1		E353.2	04/21/10 13:22 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 16:52 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 16:52 / jjw
Barium	0.3	mg/L		0.1		SW6020	04/21/10 16:52 / jjw
Beryllium	ND	mg/L		0.001		SW6020	04/21/10 16:52 / jjw
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 16:52 / jjw
Calcium	115	mg/L		1		SW6010B	04/23/10 15:49 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 16:52 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 16:52 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 16:52 / jjw
Iron	ND	mg/L		0.03		SW6020	04/21/10 16:52 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 16:52 / jjw
Magnesium	81	mg/L		1		SW6020	04/21/10 16:52 / jjw
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 12:00 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 16:52 / jjw
Potassium	4	mg/L		1		SW6010B	04/23/10 15:49 / tao
Selenium	ND	mg/L		0.005		SW6020	04/21/10 16:52 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 16:52 / jjw
Sodium	19	mg/L		1		SW6020	04/21/10 16:52 / jjw
Thallium	ND	mg/L		0.005		SW6020	04/21/10 16:52 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 16:52 / jjw
Zinc	ND	mg/L		0.01		SW6020	04/21/10 16:52 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-007
Client Sample ID: SL-2

Report Date: 05/05/10
Collection Date: 04/16/10 13:52
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 15:57 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 15:57 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Chloroform	1.1	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Dichlorodifluoromethane	0.23	ug/L	J	1.0		SW8260B	04/27/10 15:57 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 15:57 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 15:57 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 15:57 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Tetrachloroethene	4.6	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
1,1,1-Trichloroethane	0.43	ug/L	J	1.0		SW8260B	04/27/10 15:57 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-007
Client Sample ID: SL-2

Report Date: 05/05/10
Collection Date: 04/16/10 13:52
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	0.21	ug/L	J	1.0		SW8260B	04/27/10 15:57 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 15:57 / sbd
Surr: 1,2-Dichloroethane-d4	101	%REC		70-130		SW8260B	04/27/10 15:57 / sbd
Surr: Dibromofluoromethane	108	%REC		77-126		SW8260B	04/27/10 15:57 / sbd
Surr: p-Bromofluorobenzene	108	%REC		76-127		SW8260B	04/27/10 15:57 / sbd
Surr: Toluene-d8	108	%REC		79-122		SW8260B	04/27/10 15:57 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-008
Client Sample ID: SL-3

Report Date: 05/05/10
Collection Date: 04/17/10 17:44
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.8	s.u.		0.1		A4500-H B	04/20/10 14:50 / kh
Conductivity @ 25 C	2500	umhos/cm		1		A2510 B	04/20/10 14:50 / kh
INORGANICS							
Alkalinity, Total as CaCO3	902	mg/L		4		A2320 B	04/22/10 20:39 / ehb
Bicarbonate as HCO3	1100	mg/L		4		A2320 B	04/22/10 20:39 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 20:39 / ehb
Chloride	276	mg/L	D	2		E300.0	04/22/10 10:05 / kh
Sulfate	15	mg/L	D	10		E300.0	04/22/10 10:05 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:31 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	9	mg/L		5		E410.4	04/23/10 10:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 10:06 / bls
Nitrogen, Nitrate+Nitrite as N	0.48	mg/L		0.01		E353.2	04/21/10 13:23 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 17:12 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 17:12 / jjw
Barium	2.9	mg/L		0.1		SW6020	04/21/10 17:12 / jjw
Beryllium	ND	mg/L		0.001		SW6020	04/21/10 17:12 / jjw
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 17:12 / jjw
Calcium	360	mg/L		1		SW6010B	04/23/10 15:53 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 17:12 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 17:12 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 17:12 / jjw
Iron	ND	mg/L		0.03		SW6020	04/21/10 17:12 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 17:12 / jjw
Magnesium	102	mg/L		1		SW6010B	04/23/10 15:53 / tao
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 12:02 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 17:12 / jjw
Potassium	7	mg/L		1		SW6010B	04/23/10 15:53 / tao
Selenium	ND	mg/L		0.005		SW6020	04/21/10 17:12 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 17:12 / jjw
Sodium	37	mg/L	D	2		SW6010B	04/23/10 15:53 / tao
Thallium	ND	mg/L		0.005		SW6020	04/21/10 17:12 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 17:12 / jjw
Zinc	ND	mg/L		0.01		SW6020	04/21/10 17:12 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/17/10 17:44
Lab ID:	B10041680-008	**DateReceived:**	04/20/10
Client Sample ID:	SL-3	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 16:24 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 16:24 / sbd
Benzene	0.43	ug/L	J	1.0		SW8260B	04/27/10 16:24 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Chloroethane	0.37	ug/L	J	1.0		SW8260B	04/27/10 16:24 / sbd
Chloroform	0.83	ug/L	J	1.0		SW8260B	04/27/10 16:24 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Dichlorodifluoromethane	2.6	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,1-Dichloroethane	2.8	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
cis-1,2-Dichloroethene	2.3	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,2-Dichloropropane	0.46	ug/L	J	1.0		SW8260B	04/27/10 16:24 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 16:24 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 16:24 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 16:24 / sbd
Methylene chloride	0.20	ug/L	J	1.0		SW8260B	04/27/10 16:24 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Tetrachloroethene	6.4	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,1,1-Trichloroethane	1.2	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Trichloroethene	0.94	ug/L	J	1.0		SW8260B	04/27/10 16:24 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/17/10 17:44
Lab ID:	B10041680-008	**DateReceived:**	04/20/10
Client Sample ID:	SL-3	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	0.78	ug/L	J	1.0		SW8260B	04/27/10 16:24 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 16:24 / sbd
Surr: 1,2-Dichloroethane-d4	98.0	%REC		70-130		SW8260B	04/27/10 16:24 / sbd
Surr: Dibromofluoromethane	105	%REC		77-126		SW8260B	04/27/10 16:24 / sbd
Surr: p-Bromofluorobenzene	106	%REC		76-127		SW8260B	04/27/10 16:24 / sbd
Surr: Toluene-d8	106	%REC		79-122		SW8260B	04/27/10 16:24 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-009
Client Sample ID: SL-4

Report Date: 05/05/10
Collection Date: 04/17/10 12:35
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.1		A4500-H B	04/20/10 14:53 / kh
Conductivity @ 25 C	2300	umhos/cm		1		A2510 B	04/20/10 14:53 / kh
INORGANICS							
Alkalinity, Total as CaCO3	880	mg/L		4		A2320 B	04/22/10 20:47 / ehb
Bicarbonate as HCO3	1070	mg/L		4		A2320 B	04/22/10 20:47 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 20:47 / ehb
Chloride	74	mg/L		1		E300.0	04/22/10 10:40 / kh
Sulfate	322	mg/L		1		E300.0	04/22/10 10:40 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:33 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	19	mg/L		5		E410.4	04/23/10 10:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 10:07 / bls
Nitrogen, Nitrate+Nitrite as N	16.3	mg/L	D	0.2		E353.2	04/21/10 13:24 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 17:16 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 17:16 / jjw
Barium	0.1	mg/L		0.1		SW6020	04/21/10 17:16 / jjw
Beryllium	ND	mg/L		0.001		SW6020	04/21/10 17:16 / jjw
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 17:16 / jjw
Calcium	300	mg/L		1		SW6010B	04/23/10 15:56 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 17:16 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 17:16 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 17:16 / jjw
Iron	ND	mg/L		0.03		SW6020	04/21/10 17:16 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 17:16 / jjw
Magnesium	108	mg/L		1		SW6020	04/21/10 17:16 / jjw
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 12:04 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 17:16 / jjw
Potassium	8	mg/L		1		SW6010B	04/23/10 15:56 / tao
Selenium	0.014	mg/L		0.005		SW6020	04/21/10 17:16 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 17:16 / jjw
Sodium	84	mg/L		1		SW6020	04/21/10 17:16 / jjw
Thallium	ND	mg/L		0.005		SW6020	04/21/10 17:16 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 17:16 / jjw
Zinc	ND	mg/L		0.01		SW6020	04/21/10 17:16 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/17/10 12:35
Lab ID:	B10041680-009	**DateReceived:**	04/20/10
Client Sample ID:	SL-4	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 16:52 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 16:52 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Chloroform	0.64	ug/L	J	1.0		SW8260B	04/27/10 16:52 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Dichlorodifluoromethane	0.28	ug/L	J	1.0		SW8260B	04/27/10 16:52 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
cis-1,2-Dichloroethene	0.30	ug/L	J	1.0		SW8260B	04/27/10 16:52 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
1,2-Dichloropropane	0.54	ug/L	J	1.0		SW8260B	04/27/10 16:52 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 16:52 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 16:52 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 16:52 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Tetrachloroethene	23	ug/L		10		SW8260B	04/28/10 11:35 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
1,1,1-Trichloroethane	0.26	ug/L	J	1.0		SW8260B	04/27/10 16:52 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Trichloroethene	0.48	ug/L	J	1.0		SW8260B	04/27/10 16:52 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/17/10 12:35
Lab ID:	B10041680-009	**DateReceived:**	04/20/10
Client Sample ID:	SL-4	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	0.30	ug/L	J	1.0		SW8260B	04/27/10 16:52 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 16:52 / sbd
Surr: 1,2-Dichloroethane-d4	100	%REC		70-130		SW8260B	04/27/10 16:52 / sbd
Surr: Dibromofluoromethane	105	%REC		77-126		SW8260B	04/27/10 16:52 / sbd
Surr: p-Bromofluorobenzene	106	%REC		76-127		SW8260B	04/27/10 16:52 / sbd
Surr: Toluene-d8	103	%REC		79-122		SW8260B	04/27/10 16:52 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-010
Client Sample ID: SL-5

Report Date: 05/05/10
Collection Date: 04/18/10 08:41
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		A4500-H B	04/20/10 14:54 / kh
Conductivity @ 25 C	690	umhos/cm		1		A2510 B	04/20/10 14:54 / kh
INORGANICS							
Alkalinity, Total as CaCO3	342	mg/L		4		A2320 B	04/22/10 20:53 / ehb
Bicarbonate as HCO3	418	mg/L		4		A2320 B	04/22/10 20:53 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 20:53 / ehb
Chloride	6	mg/L		1		E300.0	04/22/10 10:52 / kh
Sulfate	19	mg/L		1		E300.0	04/22/10 10:52 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:42 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	16	mg/L		5		E410.4	04/23/10 10:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 10:13 / bls
Nitrogen, Nitrate+Nitrite as N	0.52	mg/L		0.01		E353.2	04/21/10 13:29 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 17:20 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 17:20 / jjw
Barium	0.3	mg/L		0.1		SW6020	04/21/10 17:20 / jjw
Beryllium	ND	mg/L		0.001		SW6020	04/21/10 17:20 / jjw
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 17:20 / jjw
Calcium	84	mg/L		1		SW6010B	04/23/10 16:08 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 17:20 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 17:20 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 17:20 / jjw
Iron	0.08	mg/L		0.03		SW6020	04/21/10 17:20 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 17:20 / jjw
Magnesium	36	mg/L		1		SW6020	04/21/10 17:20 / jjw
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 12:06 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 17:20 / jjw
Potassium	4	mg/L		1		SW6010B	04/23/10 16:08 / tao
Selenium	ND	mg/L		0.005		SW6020	04/21/10 17:20 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 17:20 / jjw
Sodium	13	mg/L		1		SW6020	04/21/10 17:20 / jjw
Thallium	ND	mg/L		0.005		SW6020	04/21/10 17:20 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 17:20 / jjw
Zinc	ND	mg/L		0.01		SW6020	04/21/10 17:20 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-010
Client Sample ID: SL-5

Report Date: 05/05/10
Collection Date: 04/18/10 08:41
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 17:19 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 17:19 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 17:19 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 17:19 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 17:19 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Tetrachloroethene	0.18	ug/L	J	1.0		SW8260B	04/27/10 17:19 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-010
Client Sample ID: SL-5

Report Date: 05/05/10
Collection Date: 04/18/10 08:41
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 17:19 / sbd
Surr: 1,2-Dichloroethane-d4	98.0	%REC		70-130		SW8260B	04/27/10 17:19 / sbd
Surr: Dibromofluoromethane	104	%REC		77-126		SW8260B	04/27/10 17:19 / sbd
Surr: p-Bromofluorobenzene	110	%REC		76-127		SW8260B	04/27/10 17:19 / sbd
Surr: Toluene-d8	108	%REC		79-122		SW8260B	04/27/10 17:19 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-011
Client Sample ID: SL-6

Report Date: 05/05/10
Collection Date: 04/18/10 09:48
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.2	s.u.		0.1		A4500-H B	04/20/10 14:56 / kh
Conductivity @ 25 C	1530	umhos/cm		1		A2510 B	04/20/10 14:56 / kh
INORGANICS							
Alkalinity, Total as CaCO3	603	mg/L		4		A2320 B	04/22/10 21:00 / ehb
Bicarbonate as HCO3	735	mg/L		4		A2320 B	04/22/10 21:00 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 21:00 / ehb
Chloride	48	mg/L		1		E300.0	04/22/10 11:03 / kh
Sulfate	163	mg/L		1		E300.0	04/22/10 11:03 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:44 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	13	mg/L		5		E410.4	04/23/10 10:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	0.10	mg/L		0.05		E350.1	04/22/10 10:17 / bls
Nitrogen, Nitrate+Nitrite as N	8.9	mg/L	D	0.1		E353.2	04/21/10 13:33 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 17:24 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 17:24 / jjw
Barium	0.1	mg/L		0.1		SW6020	04/21/10 17:24 / jjw
Beryllium	ND	mg/L		0.001		SW6020	04/21/10 17:24 / jjw
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 17:24 / jjw
Calcium	165	mg/L		1		SW6010B	04/23/10 16:23 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 17:24 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 17:24 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 17:24 / jjw
Iron	0.33	mg/L		0.03		SW6020	04/21/10 17:24 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 17:24 / jjw
Magnesium	67	mg/L		1		SW6020	04/21/10 17:24 / jjw
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 12:08 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 17:24 / jjw
Potassium	7	mg/L		1		SW6010B	04/23/10 16:23 / tao
Selenium	0.010	mg/L		0.005		SW6020	04/21/10 17:24 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 17:24 / jjw
Sodium	90	mg/L		1		SW6020	04/21/10 17:24 / jjw
Thallium	ND	mg/L		0.005		SW6020	04/21/10 17:24 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 17:24 / jjw
Zinc	ND	mg/L		0.01		SW6020	04/21/10 17:24 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-011
Client Sample ID: SL-6

Report Date: 05/05/10
Collection Date: 04/18/10 09:48
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 17:46 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 17:46 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Chloroform	0.34	ug/L	J	1.0		SW8260B	04/27/10 17:46 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Dichlorodifluoromethane	0.28	ug/L	J	1.0		SW8260B	04/27/10 17:46 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
cis-1,2-Dichloroethene	0.33	ug/L	J	1.0		SW8260B	04/27/10 17:46 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 17:46 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 17:46 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 17:46 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Tetrachloroethene	17	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
1,1,1-Trichloroethane	0.22	ug/L	J	1.0		SW8260B	04/27/10 17:46 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Trichloroethene	0.39	ug/L	J	1.0		SW8260B	04/27/10 17:46 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/18/10 09:48
Lab ID:	B10041680-011	**DateReceived:**	04/20/10
Client Sample ID:	SL-6	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	0.21	ug/L	J	1.0		SW8260B	04/27/10 17:46 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 17:46 / sbd
Surr: 1,2-Dichloroethane-d4	99.0	%REC		70-130		SW8260B	04/27/10 17:46 / sbd
Surr: Dibromofluoromethane	105	%REC		77-126		SW8260B	04/27/10 17:46 / sbd
Surr: p-Bromofluorobenzene	112	%REC		76-127		SW8260B	04/27/10 17:46 / sbd
Surr: Toluene-d8	104	%REC		79-122		SW8260B	04/27/10 17:46 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-012
Client Sample ID: SL-7

Report Date: 05/05/10
Collection Date: 04/17/10 10:58
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500-H B	04/20/10 14:57 / kh
Conductivity @ 25 C	1560	umhos/cm		1		A2510 B	04/20/10 14:57 / kh
INORGANICS							
Alkalinity, Total as CaCO3	692	mg/L		4		A2320 B	04/22/10 21:20 / ehb
Bicarbonate as HCO3	845	mg/L		4		A2320 B	04/22/10 21:20 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 21:20 / ehb
Chloride	12	mg/L		1		E300.0	04/22/10 11:15 / kh
Sulfate	164	mg/L		1		E300.0	04/22/10 11:15 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 09:51 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	12	mg/L		5		E410.4	04/21/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 10:18 / bls
Nitrogen, Nitrate+Nitrite as N	9.2	mg/L	D	0.1		E353.2	04/21/10 13:34 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 17:40 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/28/10 19:52 / jjw
Barium	ND	mg/L		0.1		SW6020	04/21/10 17:40 / jjw
Beryllium	ND	mg/L		0.001		SW6010B	04/23/10 17:12 / tao
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 17:40 / jjw
Calcium	190	mg/L		1		SW6010B	04/23/10 17:12 / tao
Chromium	ND	mg/L		0.01		SW6010B	04/23/10 17:12 / tao
Cobalt	ND	mg/L		0.01		SW6010B	04/23/10 17:12 / tao
Copper	ND	mg/L		0.01		SW6010B	04/23/10 17:12 / tao
Iron	ND	mg/L		0.03		SW6010B	04/23/10 17:12 / tao
Lead	ND	mg/L		0.01		SW6020	04/21/10 17:40 / jjw
Magnesium	69	mg/L		1		SW6010B	04/23/10 17:12 / tao
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 12:15 / age
Nickel	ND	mg/L		0.01		SW6010B	04/23/10 17:12 / tao
Potassium	8	mg/L		1		SW6010B	04/23/10 17:12 / tao
Selenium	ND	mg/L		0.005		SW6020	04/28/10 19:52 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 17:40 / jjw
Sodium	67	mg/L		1		SW6010B	04/23/10 17:12 / tao
Thallium	ND	mg/L		0.005		SW6020	04/21/10 17:40 / jjw
Vanadium	ND	mg/L		0.1		SW6010B	04/23/10 17:12 / tao
Zinc	ND	mg/L		0.01		SW6010B	04/23/10 17:12 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/17/10 10:58
Lab ID:	B10041680-012	**DateReceived:**	04/20/10
Client Sample ID:	SL-7	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 18:14 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 18:14 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Chloroform	0.34	ug/L	J	1.0		SW8260B	04/27/10 18:14 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Dichlorodifluoromethane	0.42	ug/L	J	1.0		SW8260B	04/27/10 18:14 / sbd
1,1-Dichloroethane	0.69	ug/L	J	1.0		SW8260B	04/27/10 18:14 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
cis-1,2-Dichloroethene	0.30	ug/L	J	1.0		SW8260B	04/27/10 18:14 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 18:14 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 18:14 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 18:14 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Tetrachloroethene	25	ug/L		10		SW8260B	04/28/10 12:02 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
1,1,1-Trichloroethane	2.7	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Trichloroethene	0.73	ug/L	J	1.0		SW8260B	04/27/10 18:14 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-012
Client Sample ID: SL-7

Report Date: 05/05/10
Collection Date: 04/17/10 10:58
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	1.3	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 18:14 / sbd
Surr: 1,2-Dichloroethane-d4	106	%REC		70-130		SW8260B	04/27/10 18:14 / sbd
Surr: Dibromofluoromethane	106	%REC		77-126		SW8260B	04/27/10 18:14 / sbd
Surr: p-Bromofluorobenzene	109	%REC		76-127		SW8260B	04/27/10 18:14 / sbd
Surr: Toluene-d8	106	%REC		79-122		SW8260B	04/27/10 18:14 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-013
Client Sample ID: SL-8

Report Date: 05/05/10
Collection Date: 04/17/10 16:30
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500-H B	04/20/10 14:58 / kh
Conductivity @ 25 C	2270	umhos/cm		1		A2510 B	04/20/10 14:58 / kh
INORGANICS							
Alkalinity, Total as CaCO3	871	mg/L		4		A2320 B	04/22/10 21:28 / ehb
Bicarbonate as HCO3	1060	mg/L		4		A2320 B	04/22/10 21:28 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 21:28 / ehb
Chloride	19	mg/L		1		E300.0	04/22/10 11:26 / kh
Sulfate	468	mg/L		1		E300.0	04/22/10 11:26 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 10:13 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	20	mg/L		5		E410.4	04/21/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 10:19 / bls
Nitrogen, Nitrate+Nitrite as N	5.15	mg/L	D	0.06		E353.2	04/21/10 13:35 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 17:44 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 17:44 / jjw
Barium	ND	mg/L		0.1		SW6020	04/21/10 17:44 / jjw
Beryllium	ND	mg/L		0.001		SW6010B	04/23/10 17:24 / tao
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 17:44 / jjw
Calcium	277	mg/L		1		SW6010B	04/23/10 17:24 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 17:44 / jjw
Cobalt	0.01	mg/L		0.01		SW6020	04/21/10 17:44 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 17:44 / jjw
Iron	0.12	mg/L		0.03		SW6020	04/21/10 17:44 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 17:44 / jjw
Magnesium	115	mg/L		1		SW6020	04/21/10 17:44 / jjw
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 12:17 / age
Nickel	0.02	mg/L		0.01		SW6020	04/21/10 17:44 / jjw
Potassium	10	mg/L		1		SW6010B	04/23/10 17:24 / tao
Selenium	ND	mg/L		0.005		SW6020	04/28/10 19:56 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 17:44 / jjw
Sodium	116	mg/L		1		SW6020	04/21/10 17:44 / jjw
Thallium	ND	mg/L		0.005		SW6020	04/21/10 17:44 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 17:44 / jjw
Zinc	ND	mg/L		0.01		SW6020	04/21/10 17:44 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/17/10 16:30
Lab ID:	B10041680-013	**DateReceived:**	04/20/10
Client Sample ID:	SL-8	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 18:41 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 18:41 / sbd
Benzene	0.27	ug/L	J	1.0		SW8260B	04/27/10 18:41 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Chloroethane	0.30	ug/L	J	1.0		SW8260B	04/27/10 18:41 / sbd
Chloroform	0.52	ug/L	J	1.0		SW8260B	04/27/10 18:41 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Dichlorodifluoromethane	0.19	ug/L	J	1.0		SW8260B	04/27/10 18:41 / sbd
1,1-Dichloroethane	1.4	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
cis-1,2-Dichloroethene	0.51	ug/L	J	1.0		SW8260B	04/27/10 18:41 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 18:41 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 18:41 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 18:41 / sbd
Methylene chloride	2.1	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Tetrachloroethene	16	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
1,1,1-Trichloroethane	1.4	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Trichloroethene	0.50	ug/L	J	1.0		SW8260B	04/27/10 18:41 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/17/10 16:30
Lab ID:	B10041680-013	**DateReceived:**	04/20/10
Client Sample ID:	SL-8	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	0.35	ug/L	J	1.0		SW8260B	04/27/10 18:41 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 18:41 / sbd
Surr: 1,2-Dichloroethane-d4	100	%REC		70-130		SW8260B	04/27/10 18:41 / sbd
Surr: Dibromofluoromethane	100	%REC		77-126		SW8260B	04/27/10 18:41 / sbd
Surr: p-Bromofluorobenzene	110	%REC		76-127		SW8260B	04/27/10 18:41 / sbd
Surr: Toluene-d8	106	%REC		79-122		SW8260B	04/27/10 18:41 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-014
Client Sample ID: SL-9

Report Date: 05/05/10
Collection Date: 04/16/10 14:53
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500-H B	04/20/10 15:00 / kh
Conductivity @ 25 C	2220	umhos/cm		1		A2510 B	04/20/10 15:00 / kh
INORGANICS							
Alkalinity, Total as CaCO3	776	mg/L		4		A2320 B	04/22/10 21:35 / ehb
Bicarbonate as HCO3	947	mg/L		4		A2320 B	04/22/10 21:35 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 21:35 / ehb
Chloride	189	mg/L		1		E300.0	04/22/10 11:38 / kh
Sulfate	104	mg/L		1		E300.0	04/22/10 11:38 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/21/10 10:15 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	9	mg/L		5		E410.4	04/21/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 10:08 / bls
Nitrogen, Nitrate+Nitrite as N	4.74	mg/L	D	0.06		E353.2	04/21/10 13:36 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 18:04 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/28/10 20:00 / jjw
Barium	0.2	mg/L		0.1		SW6020	04/21/10 18:04 / jjw
Beryllium	ND	mg/L		0.001		SW6010B	04/23/10 17:32 / tao
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 18:04 / jjw
Calcium	306	mg/L		1		SW6010B	04/23/10 17:32 / tao
Chromium	ND	mg/L		0.01		SW6010B	04/23/10 17:32 / tao
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 18:04 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 18:04 / jjw
Iron	0.03	mg/L		0.03		SW6010B	04/23/10 17:32 / tao
Lead	ND	mg/L		0.01		SW6020	04/21/10 18:04 / jjw
Magnesium	91	mg/L		1		SW6010B	04/23/10 17:32 / tao
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 12:19 / age
Nickel	ND	mg/L		0.01		SW6020	04/28/10 20:00 / jjw
Potassium	7	mg/L		1		SW6010B	04/23/10 17:32 / tao
Selenium	0.012	mg/L		0.005		SW6020	04/28/10 20:00 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 18:04 / jjw
Sodium	35	mg/L		1		SW6010B	04/23/10 17:32 / tao
Thallium	ND	mg/L		0.005		SW6020	04/21/10 18:04 / jjw
Vanadium	ND	mg/L		0.1		SW6010B	04/23/10 17:32 / tao
Zinc	ND	mg/L		0.01		SW6010B	04/23/10 17:32 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-014
Client Sample ID: SL-9

Report Date: 05/05/10
Collection Date: 04/16/10 14:53
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 19:08 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 19:08 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Chloroethane	0.28	ug/L	J	1.0		SW8260B	04/27/10 19:08 / sbd
Chloroform	0.85	ug/L	J	1.0		SW8260B	04/27/10 19:08 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Dichlorodifluoromethane	1.3	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,1-Dichloroethane	3.6	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
cis-1,2-Dichloroethene	1.9	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,2-Dichloropropane	0.37	ug/L	J	1.0		SW8260B	04/27/10 19:08 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 19:08 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 19:08 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 19:08 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Tetrachloroethene	8.6	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,1,1-Trichloroethane	1.3	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Trichloroethene	0.81	ug/L	J	1.0		SW8260B	04/27/10 19:08 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/16/10 14:53
Lab ID:	B10041680-014	**DateReceived:**	04/20/10
Client Sample ID:	SL-9	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	0.56	ug/L	J	1.0		SW8260B	04/27/10 19:08 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 19:08 / sbd
Surr: 1,2-Dichloroethane-d4	99.0	%REC		70-130		SW8260B	04/27/10 19:08 / sbd
Surr: Dibromofluoromethane	110	%REC		77-126		SW8260B	04/27/10 19:08 / sbd
Surr: p-Bromofluorobenzene	114	%REC		76-127		SW8260B	04/27/10 19:08 / sbd
Surr: Toluene-d8	107	%REC		79-122		SW8260B	04/27/10 19:08 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/17/10
Lab ID:	B10041680-015	**DateReceived:**	04/20/10
Client Sample ID:	DUP SL-3	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.8	s.u.		0.1		A4500-H B	04/20/10 15:01 / kh
Conductivity @ 25 C	2570	umhos/cm		1		A2510 B	04/20/10 15:01 / kh
INORGANICS							
Alkalinity, Total as CaCO3	952	mg/L		4		A2320 B	04/22/10 21:59 / ehb
Bicarbonate as HCO3	1160	mg/L		4		A2320 B	04/22/10 21:59 / ehb
Carbonate as CO3	ND	mg/L		4		A2320 B	04/22/10 21:59 / ehb
Chloride	307	mg/L	D	2		E300.0	04/22/10 12:13 / kh
Sulfate	16	mg/L	D	10		E300.0	04/22/10 12:13 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	9	mg/L		5		E410.4	04/21/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	04/22/10 10:09 / bls
Nitrogen, Nitrate+Nitrite as N	0.50	mg/L		0.01		E353.2	04/21/10 13:38 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/21/10 18:08 / jjw
Arsenic	ND	mg/L		0.005		SW6020	04/21/10 18:08 / jjw
Barium	2.9	mg/L		0.1		SW6020	04/21/10 18:08 / jjw
Beryllium	ND	mg/L		0.001		SW6010B	04/23/10 17:36 / tao
Cadmium	ND	mg/L		0.001		SW6020	04/21/10 18:08 / jjw
Calcium	370	mg/L		1		SW6010B	04/23/10 17:36 / tao
Chromium	ND	mg/L		0.01		SW6020	04/21/10 18:08 / jjw
Cobalt	ND	mg/L		0.01		SW6020	04/21/10 18:08 / jjw
Copper	ND	mg/L		0.01		SW6020	04/21/10 18:08 / jjw
Iron	ND	mg/L		0.03		SW6020	04/21/10 18:08 / jjw
Lead	ND	mg/L		0.01		SW6020	04/21/10 18:08 / jjw
Magnesium	102	mg/L		1		SW6010B	04/23/10 17:36 / tao
Mercury	ND	mg/L		0.001		SW7470A	04/21/10 12:40 / age
Nickel	ND	mg/L		0.01		SW6020	04/21/10 18:08 / jjw
Potassium	7	mg/L		1		SW6010B	04/23/10 17:36 / tao
Selenium	ND	mg/L		0.005		SW6020	04/21/10 18:08 / jjw
Silver	ND	mg/L		0.005		SW6020	04/21/10 18:08 / jjw
Sodium	36	mg/L		1		SW6010B	04/23/10 17:36 / tao
Thallium	ND	mg/L		0.005		SW6020	04/21/10 18:08 / jjw
Vanadium	ND	mg/L		0.1		SW6020	04/21/10 18:08 / jjw
Zinc	ND	mg/L		0.01		SW6020	04/21/10 18:08 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 19:36 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-015
Client Sample ID: DUP

Report Date: 05/05/10
Collection Date: 04/17/10
DateReceived: 04/20/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 19:36 / sbd
Benzene	0.44	ug/L	J	1.0		SW8260B	04/27/10 19:36 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Chloroethane	0.33	ug/L	J	1.0		SW8260B	04/27/10 19:36 / sbd
Chloroform	0.84	ug/L	J	1.0		SW8260B	04/27/10 19:36 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Dichlorodifluoromethane	2.6	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,1-Dichloroethane	2.7	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
cis-1,2-Dichloroethene	2.3	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,2-Dichloropropane	0.46	ug/L	J	1.0		SW8260B	04/27/10 19:36 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 19:36 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 19:36 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 19:36 / sbd
Methylene chloride	0.19	ug/L	J	1.0		SW8260B	04/27/10 19:36 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Tetrachloroethene	6.8	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,1,1-Trichloroethane	1.3	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Trichloroethene	1.0	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Trichlorofluoromethane	0.76	ug/L	J	1.0		SW8260B	04/27/10 19:36 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/17/10
Lab ID:	B10041680-015	**DateReceived:**	04/20/10
Client Sample ID:	DUP	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 19:36 / sbd
Surr: 1,2-Dichloroethane-d4	98.0	%REC		70-130		SW8260B	04/27/10 19:36 / sbd
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	04/27/10 19:36 / sbd
Surr: p-Bromofluorobenzene	114	%REC		76-127		SW8260B	04/27/10 19:36 / sbd
Surr: Toluene-d8	105	%REC		79-122		SW8260B	04/27/10 19:36 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	05/05/10
Project:	Landfill #102	**Collection Date:**	04/15/10 14:34
Lab ID:	B10041680-016	**DateReceived:**	04/20/10
Client Sample ID:	Trip Blank 1 Lot# 041210, B-TS, SHP0248	**Matrix:**	Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 20:03 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 20:03 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 20:03 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 20:03 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 20:03 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-016
Client Sample ID: Trip Blank 1 Lot# 041210, B-TS, SHP0248

Report Date: 05/05/10
Collection Date: 04/15/10 14:34
DateReceived: 04/20/10
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 20:03 / sbd
Surr: 1,2-Dichloroethane-d4	97.0	%REC		70-130		SW8260B	04/27/10 20:03 / sbd
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	04/27/10 20:03 / sbd
Surr: p-Bromofluorobenzene	109	%REC		76-127		SW8260B	04/27/10 20:03 / sbd
Surr: Toluene-d8	106	%REC		79-122		SW8260B	04/27/10 20:03 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-017
Client Sample ID: Trip Blank 2 Lot# 041210, B-TS, SHP0248

Report Date: 05/05/10
Collection Date: 04/15/10 15:07
DateReceived: 04/20/10
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/27/10 20:30 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/27/10 20:30 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/27/10 20:30 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/27/10 20:30 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/27/10 20:30 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10041680-017
Client Sample ID: Trip Blank 2 Lot# 041210, B-TS, SHP0248

Report Date: 05/05/10
Collection Date: 04/15/10 15:07
DateReceived: 04/20/10
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/27/10 20:30 / sbd
Surr: 1,2-Dichloroethane-d4	104	%REC		70-130		SW8260B	04/27/10 20:30 / sbd
Surr: Dibromofluoromethane	106	%REC		77-126		SW8260B	04/27/10 20:30 / sbd
Surr: p-Bromofluorobenzene	107	%REC		76-127		SW8260B	04/27/10 20:30 / sbd
Surr: Toluene-d8	102	%REC		79-122		SW8260B	04/27/10 20:30 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R146534
Sample ID: MBLK	Method Blank				Run: MAN-TECH_100422A				04/22/10 18:42
Alkalinity, Total as CaCO3	ND	mg/L	4						
Bicarbonate as HCO3	ND	mg/L	4						
Carbonate as CO3	ND	mg/L	4						
Sample ID: LCS	Laboratory Control Sample				Run: MAN-TECH_100422A				04/22/10 18:48
Alkalinity, Total as CaCO3	95.8	mg/L	4.0	96	90	110			
Sample ID: B10041680-004AMS	Sample Matrix Spike				Run: MAN-TECH_100422A				04/22/10 20:06
Alkalinity, Total as CaCO3	412	mg/L	4.0	103	80	120			
Sample ID: B10041680-004AMSD	Sample Matrix Spike Duplicate				Run: MAN-TECH_100422A				04/22/10 20:13
Alkalinity, Total as CaCO3	407	mg/L	4.0	100	80	120	1.2	20	
Sample ID: MBLK	Method Blank				Run: MAN-TECH_100422A				04/22/10 21:04
Alkalinity, Total as CaCO3	ND	mg/L	4						
Bicarbonate as HCO3	ND	mg/L	4						
Carbonate as CO3	ND	mg/L	4						
Sample ID: LCS	Laboratory Control Sample				Run: MAN-TECH_100422A				04/22/10 21:10
Alkalinity, Total as CaCO3	95.8	mg/L	4.0	96	90	110			
Sample ID: B10041680-014AMS	Sample Matrix Spike				Run: MAN-TECH_100422A				04/22/10 21:43
Alkalinity, Total as CaCO3	834	mg/L	4.0	34	80	120			S
Sample ID: B10041680-014AMSD	Sample Matrix Spike Duplicate				Run: MAN-TECH_100422A				04/22/10 21:51
Alkalinity, Total as CaCO3	839	mg/L	4.0	37	80	120	0.6	20	S
Sample ID: B10041695-005AMS	Sample Matrix Spike				Run: MAN-TECH_100422A				04/22/10 22:59
Alkalinity, Total as CaCO3	557	mg/L	4.0	83	80	120			
Sample ID: B10041695-005AMSD	Sample Matrix Spike Duplicate				Run: MAN-TECH_100422A				04/22/10 23:09
Alkalinity, Total as CaCO3	557	mg/L	4.0	83	80	120	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B									Batch: R146337
Sample ID: SC 150	Laboratory Control Sample				Run: PHSC _101-B_100420A				04/20/10 10:18
Conductivity @ 25 C	152	umhos/cm	5.0	101	90	110			
Sample ID: SC 5000	Laboratory Control Sample				Run: PHSC _101-B_100420A				04/20/10 10:19
Conductivity @ 25 C	5020	umhos/cm	5.0	100	90	110			
Sample ID: B10041675-002ADUP	Sample Duplicate				Run: PHSC _101-B_100420A				04/20/10 14:36
Conductivity @ 25 C	1210	umhos/cm	5.0				1.7	10	
Sample ID: B10041680-008ADUP	Sample Duplicate				Run: PHSC _101-B_100420A				04/20/10 14:51
Conductivity @ 25 C	2510	umhos/cm	5.0				0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Batch: R146337
Sample ID: pH 4	Laboratory Control Sample				Run: PHSC _101-B_100420A				04/20/10 10:14
pH	3.99	s.u.	0.10	100	97	103			
Sample ID: pH 7	Laboratory Control Sample				Run: PHSC _101-B_100420A				04/20/10 10:15
pH	7.01	s.u.	0.10	100	98	102			
Sample ID: B10041675-002ADUP	Sample Duplicate				Run: PHSC _101-B_100420A				04/20/10 14:36
pH	8.73	s.u.	0.10				0.3	10	
Sample ID: B10041680-008ADUP	Sample Duplicate				Run: PHSC _101-B_100420A				04/20/10 14:51
pH	6.75	s.u.	0.10				0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0						Analytical Run: IC202-B_100419A			
Sample ID: ICV041910-11	Initial Calibration Verification Standard								04/19/10 13:29
Chloride	24.1	mg/L	1.0	96	90	110			
Sulfate	98.1	mg/L	1.0	98	90	110			
Method: E300.0						Batch: R146328			
Sample ID: ICB041910-12	Method Blank				Run: IC202-B_100419A				04/19/10 13:41
Chloride	ND	mg/L	0.3						
Sulfate	ND	mg/L	1						
Sample ID: LFB041910-13	Laboratory Fortified Blank				Run: IC202-B_100419A				04/19/10 13:52
Chloride	23.9	mg/L	1.0	96	90	110			
Sulfate	97.7	mg/L	1.1	98	90	110			
Sample ID: B10041673-009AMS	Sample Matrix Spike				Run: IC202-B_100419A				04/22/10 06:24
Chloride	1360	mg/L	13	100	90	110			
Sulfate	14600	mg/L	54	97	90	110			
Sample ID: B10041673-009AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_100419A				04/22/10 06:36
Chloride	1390	mg/L	13	102	90	110	2.3	20	
Sulfate	14800	mg/L	54	100	90	110	0.9	20	
Sample ID: B10041680-004AMS	Sample Matrix Spike				Run: IC202-B_100419A				04/22/10 09:07
Chloride	39.0	mg/L	1.0	106	90	110			
Sulfate	235	mg/L	1.1	114	90	110			S
Sample ID: B10041680-004AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_100419A				04/22/10 09:18
Chloride	38.9	mg/L	1.0	105	90	110	0.4	20	
Sulfate	236	mg/L	1.1	115	90	110	0.4	20	S
Sample ID: B10041680-014AMS	Sample Matrix Spike				Run: IC202-B_100419A				04/22/10 11:50
Chloride	209	mg/L	1.0		90	110			A
Sulfate	219	mg/L	1.1	116	90	110			S
Sample ID: B10041680-014AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_100419A				04/22/10 12:01
Chloride	210	mg/L	1.0		90	110	0.1	20	A
Sulfate	221	mg/L	1.1	117	90	110	0.8	20	S
Sample ID: B10041695-009AMS	Sample Matrix Spike				Run: IC202-B_100419A				04/22/10 14:32
Chloride	21900	mg/L	54	71	90	110			S
Sulfate	21900	mg/L	210	102	90	110			
Sample ID: B10041695-009AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_100419A				04/22/10 14:44
Chloride	21700	mg/L	54	68	90	110	0.8	20	S
Sulfate	21900	mg/L	210	101	90	110	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E300.0**									Batch: R146328
Sample ID: **B10041717-002AMS**	Sample Matrix Spike				Run: IC202-B_100419A				04/22/10 17:38
Chloride	28.3	mg/L	1.0	103	90	110			
Sulfate	285	mg/L	1.1	113	90	110			S
Sample ID: **B10041717-002AMSD**	Sample Matrix Spike Duplicate				Run: IC202-B_100419A				04/22/10 17:50
Chloride	29.1	mg/L	1.0	106	90	110	2.9	20	
Sulfate	287	mg/L	1.1	115	90	110	0.6	20	S

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1									Analytical Run: FIA203-B_100422A
Sample ID: ICV	Initial Calibration Verification Standard								04/22/10 09:16
Nitrogen, Ammonia as N	8.47	mg/L	0.30	99	90	110			
Method: E350.1									Batch: R146487
Sample ID: MBLK	Method Blank				Run: FIA203-B_100422A				04/22/10 09:17
Nitrogen, Ammonia as N	ND	mg/L	0.05						
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA203-B_100422A				04/22/10 09:18
Nitrogen, Ammonia as N	1.04	mg/L	0.050	105	90	110			
Sample ID: B10041680-003CMS	Sample Matrix Spike				Run: FIA203-B_100422A				04/22/10 09:58
Nitrogen, Ammonia as N	0.947	mg/L	0.050	97	90	110			
Sample ID: B10041680-003CMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_100422A				04/22/10 09:59
Nitrogen, Ammonia as N	0.951	mg/L	0.050	97	90	110	0.4	10	
Sample ID: B10041680-010CMS	Sample Matrix Spike				Run: FIA203-B_100422A				04/22/10 10:14
Nitrogen, Ammonia as N	0.900	mg/L	0.050	92	90	110			
Sample ID: B10041680-010CMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_100422A				04/22/10 10:15
Nitrogen, Ammonia as N	0.886	mg/L	0.050	90	90	110	1.6	10	
Sample ID: B10041675-003CMS	Sample Matrix Spike				Run: FIA203-B_100422A				04/22/10 10:31
Nitrogen, Ammonia as N	1.01	mg/L	0.050	103	90	110			
Sample ID: B10041675-003CMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_100422A				04/22/10 10:32
Nitrogen, Ammonia as N	1.01	mg/L	0.050	103	90	110	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Analytical Run: FIA203-B_100421A
Sample ID: ICV	Initial Calibration Verification Standard								04/21/10 10:47
Nitrogen, Nitrate+Nitrite as N	30.7	mg/L	0.20	104	90	110			
Method: E353.2									Batch: R146430
Sample ID: MBLK	Method Blank				Run: FIA203-B_100421A				04/21/10 10:48
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.01						
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA203-B_100421A				04/21/10 10:50
Nitrogen, Nitrate+Nitrite as N	1.03	mg/L	0.010	105	90	110			
Sample ID: B10041680-001CMS	Sample Matrix Spike				Run: FIA203-B_100421A				04/21/10 13:14
Nitrogen, Nitrate+Nitrite as N	1.24	mg/L	0.010	107	90	110			
Sample ID: B10041680-001CMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_100421A				04/21/10 13:15
Nitrogen, Nitrate+Nitrite as N	1.24	mg/L	0.010	107	90	110	0.1	10	
Sample ID: B10041680-010CMS	Sample Matrix Spike				Run: FIA203-B_100421A				04/21/10 13:30
Nitrogen, Nitrate+Nitrite as N	1.57	mg/L	0.010	107	90	110			
Sample ID: B10041680-010CMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_100421A				04/21/10 13:32
Nitrogen, Nitrate+Nitrite as N	1.58	mg/L	0.010	108	90	110	0.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Batch: R146472
Sample ID: MB-R146472	Method Blank				Run: SPEC_100421B				04/21/10 11:30
Oxygen Demand, Chemical (COD)	ND	mg/L	5						
Sample ID: LCS-R146472	Laboratory Control Sample				Run: SPEC_100421B				04/21/10 11:30
Oxygen Demand, Chemical (COD)	83.6	mg/L	5.0	100	90	110			
Sample ID: B10041094-001FMS	Sample Matrix Spike				Run: SPEC_100421B				04/21/10 11:30
Oxygen Demand, Chemical (COD)	115	mg/L	5.0	102	90	110			
Sample ID: B10041094-001FMSD	Sample Matrix Spike Duplicate				Run: SPEC_100421B				04/21/10 11:30
Oxygen Demand, Chemical (COD)	115	mg/L	5.0	103	90	110	0.2	10	
Sample ID: B10041680-004CMS	Sample Matrix Spike				Run: SPEC_100421B				04/21/10 11:30
Oxygen Demand, Chemical (COD)	31.4	mg/L	5.0	104	90	110			
Sample ID: B10041680-004CMSD	Sample Matrix Spike Duplicate				Run: SPEC_100421B				04/21/10 11:30
Oxygen Demand, Chemical (COD)	30.8	mg/L	5.0	102	90	110	1.9	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: SPEC_100421B				04/21/10 11:30
Oxygen Demand, Chemical (COD)	24.3	mg/L	5.0	100	90	110			
Method: E410.4									Batch: R146620
Sample ID: MB-R146620	Method Blank				Run: SPEC_100423B				04/23/10 10:30
Oxygen Demand, Chemical (COD)	ND	mg/L	5						
Sample ID: LCS-R146620	Laboratory Control Sample				Run: SPEC_100423B				04/23/10 10:30
Oxygen Demand, Chemical (COD)	85.1	mg/L	5.0	102	90	110			
Sample ID: B10041917-002BMS	Sample Matrix Spike				Run: SPEC_100423B				04/23/10 10:30
Oxygen Demand, Chemical (COD)	87.4	mg/L	5.0	104	90	110			
Sample ID: B10041917-002BMSD	Sample Matrix Spike Duplicate				Run: SPEC_100423B				04/23/10 10:30
Oxygen Demand, Chemical (COD)	88.2	mg/L	5.0	107	90	110	0.9	10	
Sample ID: B10041808-001D	Sample Matrix Spike				Run: SPEC_100423B				04/23/10 10:30
Oxygen Demand, Chemical (COD)	25.1	mg/L	5.0	103	90	110			
Sample ID: B10041808-001DMSD	Sample Matrix Spike Duplicate				Run: SPEC_100423B				04/23/10 10:30
Oxygen Demand, Chemical (COD)	24.8	mg/L	5.0	102	90	110	1.2	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: SPEC_100423B				04/23/10 10:30
Oxygen Demand, Chemical (COD)	25.3	mg/L	5.0	104	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada mod									Analytical Run: AUTOAN201-B_100421A
Sample ID: ICV-1	Initial Calibration Verification Standard								04/21/10 09:04
Cyanide, Total	0.160	mg/L	0.0050	107	90	110			
Method: Kelada mod									Batch: R146415
Sample ID: LFB-2	Laboratory Fortified Blank				Run: AUTOAN201-B_100421A				04/21/10 09:06
Cyanide, Total	0.106	mg/L	0.0050	103	90	110			
Sample ID: MBLK-3	Method Blank				Run: AUTOAN201-B_100421A				04/21/10 09:08
Cyanide, Total	0.003	mg/L	0.002						
Sample ID: B10041680-001DMS	Sample Matrix Spike				Run: AUTOAN201-B_100421A				04/21/10 09:15
Cyanide, Total	0.111	mg/L	0.0050	111	90	110			S
Sample ID: B10041680-001DMSD	Sample Matrix Spike Duplicate				Run: AUTOAN201-B_100421A				04/21/10 09:17
Cyanide, Total	0.113	mg/L	0.0050	113	90	110	2	10	S
Sample ID: B10041680-011DMS	Sample Matrix Spike				Run: AUTOAN201-B_100421A				04/21/10 09:46
Cyanide, Total	0.104	mg/L	0.0050	104	90	110			
Sample ID: B10041680-011DMSD	Sample Matrix Spike Duplicate				Run: AUTOAN201-B_100421A				04/21/10 09:47
Cyanide, Total	0.109	mg/L	0.0050	109	90	110	4.8	10	

Qualifiers:

RL - Analyte reporting limit.
S - Spike recovery outside of advisory limits.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP201-B_100423A
Sample ID: QCS Initial Calibration Verification Standard									04/23/10 10:46
Calcium	39.9	mg/L	1.0	100	89.5	110.5			
Magnesium	40.7	mg/L	1.0	102	89.5	110.5			
Potassium	41.3	mg/L	1.0	103	89.5	110.5			
Sodium	40.7	mg/L	1.0	102	89.5	110.5			
Sample ID: ICSA Interference Check Sample A									04/23/10 11:02
Calcium	512	mg/L	1.0	102	80	120			
Magnesium	539	mg/L	1.0	108	80	120			
Potassium	-0.0717	mg/L	1.0		-1	1			
Sodium	0.0185	mg/L	1.0		-1	1			
Sample ID: ICSAB Interference Check Sample AB									04/23/10 11:05
Calcium	521	mg/L	1.0	104	80	120			
Magnesium	545	mg/L	1.0	109	80	120			
Potassium	20.6	mg/L	1.0	103	80	120			
Sodium	20.5	mg/L	1.0	103	80	120			
Method: SW6010B									Batch: R146615
Sample ID: B10041680-009BMS2 Sample Matrix Spike					Run: ICP201-B_100423A				04/23/10 16:00
Calcium	531	mg/L	1.0	92	75	125			
Magnesium	343	mg/L	1.0	96	75	125			
Potassium	266	mg/L	1.0	103	75	125			
Sodium	325	mg/L	1.5	97	75	125			
Sample ID: B10041680-009BMSD2 Sample Matrix Spike Duplicate					Run: ICP201-B_100423A				04/23/10 16:04
Calcium	531	mg/L	1.0	92	75	125	0.1	20	
Magnesium	349	mg/L	1.0	98	75	125	1.5	20	
Potassium	265	mg/L	1.0	103	75	125	0.4	20	
Sodium	324	mg/L	1.5	97	75	125	0.2	20	
Sample ID: B10041680-010BDIL Serial Dilution					Run: ICP201-B_100423A				04/23/10 16:20
Calcium	83.0	mg/L	1.0		0	0	1	10	
Magnesium	32.2	mg/L	1.0		0	0	5	10	
Potassium	3.05	mg/L	1.0		0	0	16	10	R
Sodium	11.8	mg/L	1.5		0	0		10	N
Sample ID: B10041944-001BMS2 Sample Matrix Spike					Run: ICP201-B_100423A				04/23/10 18:00
Calcium	357	mg/L	1.0	93	75	125			
Magnesium	439	mg/L	1.0	100	75	125			
Potassium	270	mg/L	1.0	102	75	125			
Sodium	421	mg/L	1.5	103	75	125			
Sample ID: B10041944-001BMSD2 Sample Matrix Spike Duplicate					Run: ICP201-B_100423A				04/23/10 18:04
Calcium	360	mg/L	1.0	94	75	125	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Batch: R146615
Sample ID: B10041944-001BMSD2	Sample Matrix Spike Duplicate				Run: ICP201-B_100423A				04/23/10 18:04
Magnesium	435	mg/L	1.0	98	75	125	0.9	20	
Potassium	260	mg/L	1.0	98	75	125	3.8	20	
Sodium	395	mg/L	1.5	92	75	125	6.6	20	
Sample ID: B10041944-002BDIL	Serial Dilution				Run: ICP201-B_100423A				04/23/10 18:12
Calcium	116	mg/L	1.0		0	0	0.5	10	
Magnesium	145	mg/L	1.5		0	0	2.3	10	
Potassium	25.4	mg/L	1.3		0	0	1.8	10	
Sodium	119	mg/L	1.0		0	0	1.9	10	
Sample ID: MB-TJADIS100423A	Method Blank				Run: ICP201-B_100423A				04/23/10 11:17
Calcium	ND	mg/L	0.04						
Magnesium	ND	mg/L	0.06						
Potassium	ND	mg/L	0.05						
Sodium	ND	mg/L	0.02						
Sample ID: LFB-TJADIS100423A	Laboratory Fortified Blank				Run: ICP201-B_100423A				04/23/10 11:21
Calcium	50.3	mg/L	1.0	101	85	115			
Magnesium	51.0	mg/L	1.0	102	85	115			
Potassium	50.8	mg/L	1.0	102	85	115			
Sodium	50.4	mg/L	1.0	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW6010B**						Analytical Run: ICP202-B_100423A			
Sample ID: **QCS**	Initial Calibration Verification Standard								04/23/10 14:25
Beryllium	0.398	mg/L	0.010	100	89.5	110.5			
Calcium	39.0	mg/L	1.0	97	89.5	110.5			
Magnesium	38.8	mg/L	1.0	97	89.5	110.5			
Potassium	37.8	mg/L	1.0	94	89.5	110.5			
Sodium	41.1	mg/L	1.0	103	89.5	110.5			
Sample ID: **ICSA**	Interference Check Sample A								04/23/10 14:41
Beryllium	-0.000100	mg/L	0.010		-0.001	0.001			
Calcium	459	mg/L	1.0	92	80	120			
Magnesium	505	mg/L	1.0	101	80	120			
Potassium	0.0135	mg/L	1.0		-1	1			
Sodium	0.0150	mg/L	1.0		-1	1			
Sample ID: **ICSAB**	Interference Check Sample AB								04/23/10 14:45
Beryllium	0.490	mg/L	0.010	98	80	120			
Calcium	459	mg/L	1.0	92	80	120			
Magnesium	508	mg/L	1.0	102	80	120			
Potassium	21.7	mg/L	1.0	108	80	120			
Sodium	20.6	mg/L	1.0	103	80	120			
Method: **SW6010B**									Batch: R146617
Sample ID: **B10041680-012BMS2**	Sample Matrix Spike				Run: ICP202-B_100423A				04/23/10 17:16
Beryllium	0.995	mg/L	0.0010	99	75	125			
Calcium	282	mg/L	1.0	91	75	125			
Magnesium	167	mg/L	1.0	97	75	125			
Potassium	110	mg/L	1.5	102	75	125			
Sodium	168	mg/L	1.0	101	75	125			
Sample ID: **B10041680-012BMSD2**	Sample Matrix Spike Duplicate				Run: ICP202-B_100423A				04/23/10 17:20
Beryllium	1.01	mg/L	0.0010	101	75	125	1.6	20	
Calcium	289	mg/L	1.0	98	75	125	2.5	20	
Magnesium	169	mg/L	1.0	99	75	125	1.1	20	
Potassium	112	mg/L	1.5	104	75	125	1.9	20	
Sodium	171	mg/L	1.0	103	75	125	1.5	20	
Sample ID: **B10041680-013BDIL**	Serial Dilution				Run: ICP202-B_100423A				04/23/10 17:28
Beryllium	ND	mg/L	0.0021		0	0		10	
Calcium	283	mg/L	1.0		0	0	2.2	10	
Magnesium	113	mg/L	1.0		0	0	1.7	10	
Potassium	10.3	mg/L	1.0		0	0	1.2	10	
Sodium	117	mg/L	6.4		0	0	3.3	10	
Sample ID: **MB-SPDIS100423A**	Method Blank				Run: ICP202-B_100423A				04/23/10 15:21
Beryllium	0.0006	mg/L	9E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW6010B**									Batch: R146617
Sample ID: **MB-SPDIS100423A**	Method Blank				Run: ICP202-B_100423A				04/23/10 15:21
Calcium	0.01	mg/L	0.009						
Magnesium	0.02	mg/L	0.01						
Potassium	ND	mg/L	0.01						
Sodium	ND	mg/L	0.03						
Sample ID: **LFB-SPDIS100423A**	Laboratory Fortified Blank				Run: ICP202-B_100423A				04/23/10 15:25
Beryllium	0.452	mg/L	0.010	90	85	115			
Calcium	44.5	mg/L	1.0	89	85	115			
Magnesium	44.4	mg/L	1.0	89	85	115			
Potassium	45.1	mg/L	1.0	90	85	115			
Sodium	45.6	mg/L	1.0	91	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Method: **SW6020** Analytical Run: ICPMS203-B_100421A

Sample ID: **QCS-090929A,091215A,1** Initial Calibration Verification Standard 04/21/10 12:18

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Antimony	0.0448	mg/L	0.0010	90	90	110			
Arsenic	0.0513	mg/L	0.0010	103	90	110			
Barium	0.0503	mg/L	0.0010	101	90	110			
Beryllium	0.0255	mg/L	0.0010	102	90	110			
Cadmium	0.0265	mg/L	0.0010	106	90	110			
Chromium	0.0515	mg/L	0.0010	103	90	110			
Cobalt	0.0514	mg/L	0.0010	103	90	110			
Copper	0.0519	mg/L	0.0010	104	90	110			
Iron	0.274	mg/L	0.0010	109	90	110			
Lead	0.0504	mg/L	0.0010	101	90	110			
Magnesium	2.59	mg/L	0.0017	103	90	110			
Nickel	0.0516	mg/L	0.0010	103	90	110			
Selenium	0.0518	mg/L	0.0010	104	90	110			
Silver	0.0263	mg/L	0.0010	105	90	110			
Sodium	2.51	mg/L	0.011	100	90	110			
Thallium	0.0510	mg/L	0.0010	102	90	110			
Vanadium	0.0508	mg/L	0.0010	102	90	110			
Zinc	0.0524	mg/L	0.0010	105	90	110			

Sample ID: **ICSA-ME091229B** Interference Check Sample A 04/21/10 12:26

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Antimony	0.000638	mg/L	0.0010						
Arsenic	0.000136	mg/L	0.0010						
Barium	0.000190	mg/L	0.0010						
Beryllium	4.90E-05	mg/L	0.0010						
Cadmium	0.000587	mg/L	0.0010						
Chromium	0.000546	mg/L	0.0010						
Cobalt	0.00163	mg/L	0.0010						
Copper	0.00164	mg/L	0.0010						
Iron	101	mg/L	0.0010	80					
Lead	0.000108	mg/L	0.0010						
Magnesium	41.9	mg/L	0.0017	84					
Nickel	0.00105	mg/L	0.0010						
Selenium	7.50E-05	mg/L	0.0010						
Silver	0.000160	mg/L	0.0010						
Sodium	103	mg/L	0.011	82					
Thallium	4.20E-05	mg/L	0.0010						
Vanadium	6.20E-05	mg/L	0.0010						
Zinc	0.00128	mg/L	0.0010						

Sample ID: **ICSAB-ME091229B,0910** Interference Check Sample AB 04/21/10 12:30

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Antimony	0.000286	mg/L	0.0010		0	0			
Arsenic	0.0107	mg/L	0.0010	107	70	130			
Barium	0.000134	mg/L	0.0010		0	0			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020						Analytical Run: ICPMS203-B_100421A			
Sample ID: ICSAB-ME091229B,0910	Interference Check Sample AB								04/21/10 12:30
Beryllium	3.00E-06	mg/L	0.0010		0	0			
Cadmium	0.0103	mg/L	0.0010	103	70	130			
Chromium	0.0207	mg/L	0.0010	104	70	130			
Cobalt	0.0208	mg/L	0.0010	104	70	130			
Copper	0.0216	mg/L	0.0010	108	70	130			
Iron	91.7	mg/L	0.0010	92	70	130			
Lead	6.50E-05	mg/L	0.0010		0	0			
Magnesium	37.0	mg/L	0.0017	93	70	130			
Nickel	0.0219	mg/L	0.0010	109	70	130			
Selenium	0.00999	mg/L	0.0010	100	70	130			
Silver	0.0194	mg/L	0.0010	97	70	130			
Sodium	91.4	mg/L	0.011	91	70	130			
Thallium	3.00E-06	mg/L	0.0010		0	0			
Vanadium	0.0205	mg/L	0.0010	102	70	130			
Zinc	0.0113	mg/L	0.0010	113	70	130			
Method: SW6020									Batch: R146447
Sample ID: LRB	Method Blank				Run: ICPMS203-B_100421A				04/21/10 13:03
Antimony	ND	mg/L	1E-05						
Arsenic	ND	mg/L	2E-05						
Barium	0.0002	mg/L	1E-05						
Beryllium	ND	mg/L	6E-06						
Cadmium	ND	mg/L	4E-06						
Chromium	4E-05	mg/L	2E-05						
Cobalt	ND	mg/L	7E-06						
Copper	ND	mg/L	3E-05						
Iron	0.0006	mg/L	9E-05						
Lead	1E-05	mg/L	3E-06						
Magnesium	ND	mg/L	0.002						
Nickel	ND	mg/L	5E-05						
Selenium	ND	mg/L	4E-05						
Silver	ND	mg/L	9E-06						
Sodium	ND	mg/L	0.01						
Thallium	ND	mg/L	8E-06						
Vanadium	ND	mg/L	1E-05						
Zinc	0.004	mg/L	0.0001						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS203-B_100421A				04/21/10 13:07
Antimony	0.0502	mg/L	0.0010	100	85	115			
Arsenic	0.0519	mg/L	0.0010	104	85	115			
Barium	0.0518	mg/L	0.0010	103	85	115			
Beryllium	0.0510	mg/L	0.0010	102	85	115			
Cadmium	0.0518	mg/L	0.0010	104	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Batch: R146447
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS203-B_100421A				04/21/10 13:07
Chromium	0.0527	mg/L	0.0010	105	85	115			
Cobalt	0.0531	mg/L	0.0010	106	85	115			
Copper	0.0544	mg/L	0.0010	109	85	115			
Lead	0.0517	mg/L	0.0010	103	85	115			
Nickel	0.0535	mg/L	0.0010	107	85	115			
Selenium	0.0517	mg/L	0.0010	103	85	115			
Silver	0.0204	mg/L	0.0010	102	85	115			
Thallium	0.0524	mg/L	0.0010	105	85	115			
Vanadium	0.0517	mg/L	0.0010	103	85	115			
Zinc	0.0559	mg/L	0.0010	104	85	115			
Sample ID: B10041680-001BMS	Sample Matrix Spike				Run: ICPMS203-B_100421A				04/21/10 15:56
Antimony	0.0419	mg/L	0.0050	81	75	125			
Arsenic	0.0440	mg/L	0.0050	88	75	125			
Barium	0.217	mg/L	0.10	87	75	125			
Beryllium	0.0401	mg/L	0.0010	80	75	125			
Cadmium	0.0414	mg/L	0.0010	83	75	125			
Chromium	0.0421	mg/L	0.010	84	75	125			
Cobalt	0.0414	mg/L	0.010	83	75	125			
Copper	0.0430	mg/L	0.010	81	75	125			
Lead	0.0412	mg/L	0.010	82	75	125			
Nickel	0.0417	mg/L	0.010	82	75	125			
Selenium	0.0452	mg/L	0.0050	90	75	125			
Silver	0.0106	mg/L	0.0050	53	75	125			S
Thallium	0.0426	mg/L	0.0050	85	75	125			
Vanadium	0.0431	mg/L	0.10	86	75	125			
Zinc	0.662	mg/L	0.010		75	125			A
Sample ID: B10041680-001BMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_100421A				04/21/10 15:59
Antimony	0.0435	mg/L	0.0050	84	75	125	3.7	20	
Arsenic	0.0469	mg/L	0.0050	93	75	125	6.4	20	
Barium	0.216	mg/L	0.10	85	75	125	0.5	20	
Beryllium	0.0416	mg/L	0.0010	83	75	125	3.5	20	
Cadmium	0.0430	mg/L	0.0010	86	75	125	3.8	20	
Chromium	0.0439	mg/L	0.010	88	75	125	4.3	20	
Cobalt	0.0437	mg/L	0.010	87	75	125	5.4	20	
Copper	0.0449	mg/L	0.010	85	75	125	4.4	20	
Lead	0.0434	mg/L	0.010	86	75	125	5.3	20	
Nickel	0.0433	mg/L	0.010	85	75	125	3.8	20	
Selenium	0.0479	mg/L	0.0050	96	75	125	5.8	20	
Silver	0.0111	mg/L	0.0050	55	75	125	4.8	20	S
Thallium	0.0448	mg/L	0.0050	90	75	125	5.1	20	
Vanadium	0.0453	mg/L	0.10	90	75	125		20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW6020**									Batch: R146447
Sample ID: **B10041680-001BMSD**	Sample Matrix Spike Duplicate				Run: ICPMS203-B_100421A				04/21/10 15:59
Zinc	0.661	mg/L	0.010		75	125	0.1	20	A
Sample ID: **B10041680-011BMS**	Sample Matrix Spike				Run: ICPMS203-B_100421A				04/21/10 17:28
Antimony	0.0526	mg/L	0.0050	104	75	125			
Arsenic	0.0634	mg/L	0.0050	124	75	125			
Barium	0.199	mg/L	0.10	104	75	125			
Beryllium	0.0517	mg/L	0.0010	103	75	125			
Cadmium	0.0522	mg/L	0.0010	104	75	125			
Chromium	0.0547	mg/L	0.010	108	75	125			
Cobalt	0.0552	mg/L	0.010	104	75	125			
Copper	0.0539	mg/L	0.010	104	75	125			
Lead	0.0529	mg/L	0.010	105	75	125			
Nickel	0.0568	mg/L	0.010	105	75	125			
Selenium	0.0787	mg/L	0.0050	137	75	125			S
Silver	0.0144	mg/L	0.0050	72	75	125			S
Thallium	0.0540	mg/L	0.0050	108	75	125			
Vanadium	0.0570	mg/L	0.10	111	75	125			
Zinc	0.0596	mg/L	0.010	110	75	125			
Sample ID: **B10041680-011BMSD**	Sample Matrix Spike Duplicate				Run: ICPMS203-B_100421A				04/21/10 17:32
Antimony	0.0546	mg/L	0.0050	108	75	125	3.8	20	
Arsenic	0.0626	mg/L	0.0050	123	75	125	1.2	20	
Barium	0.205	mg/L	0.10	117	75	125	3.1	20	
Beryllium	0.0539	mg/L	0.0010	108	75	125	4.2	20	
Cadmium	0.0535	mg/L	0.0010	107	75	125	2.5	20	
Chromium	0.0547	mg/L	0.010	108	75	125	0	20	
Cobalt	0.0581	mg/L	0.010	110	75	125	5.1	20	
Copper	0.0539	mg/L	0.010	104	75	125	0	20	
Lead	0.0547	mg/L	0.010	108	75	125	3.3	20	
Nickel	0.0568	mg/L	0.010	105	75	125	0	20	
Selenium	0.0769	mg/L	0.0050	133	75	125	2.4	20	S
Silver	0.0146	mg/L	0.0050	73	75	125	1.1	20	S
Thallium	0.0560	mg/L	0.0050	112	75	125	3.5	20	
Vanadium	0.0569	mg/L	0.10	111	75	125		20	
Zinc	0.0591	mg/L	0.010	109	75	125	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW6020**					Analytical Run: ICPMS203-B_100428A				
Sample ID: **QCS-090929A,091215A,1**	Initial Calibration Verification Standard								04/28/10 12:07
Arsenic	0.0504	mg/L	0.0010	101	90	110			
Nickel	0.0510	mg/L	0.0010	102	90	110			
Selenium	0.0510	mg/L	0.0010	102	90	110			
Sample ID: **ICSA-ME091229B**	Interference Check Sample A								04/28/10 12:11
Arsenic	0.000137	mg/L	0.0010						
Nickel	0.000498	mg/L	0.0010						
Selenium	8.30E-05	mg/L	0.0010						
Sample ID: **ICSAB-ME091229B,0910**	Interference Check Sample AB								04/28/10 12:15
Arsenic	0.0101	mg/L	0.0010	101	70	130			
Nickel	0.0216	mg/L	0.0010	108	70	130			
Selenium	0.00988	mg/L	0.0010	99	70	130			
Method: **SW6020**									Batch: R146785
Sample ID: **B10042125-006ADIL**	Serial Dilution				Run: ICPMS203-B_100428A				04/28/10 15:03
Arsenic	0.102	mg/kg	5.0		0	0		10	N
Nickel	ND	mg/kg	1.0		0	0		10	
Selenium	0.486	mg/kg	5.0		0	0		10	N
Sample ID: **B10042125-006ADIL**	Serial Dilution				Run: ICPMS203-B_100428A				04/28/10 15:50
Arsenic	0.0704	mg/kg	5.0		0	0		10	N
Nickel	ND	mg/kg	1.0		0	0		10	
Selenium	0.157	mg/kg	5.0		0	0		10	N
Sample ID: **B10041680-014BMS**	Sample Matrix Spike				Run: ICPMS203-B_100428A				04/28/10 20:04
Arsenic	0.0518	mg/L	0.0050	101	75	125			
Nickel	0.0516	mg/L	0.010	96	75	125			
Selenium	0.0666	mg/L	0.0050	110	75	125			
Sample ID: **B10041680-014BMSD**	Sample Matrix Spike Duplicate				Run: ICPMS203-B_100428A				04/28/10 20:08
Arsenic	0.0523	mg/L	0.0050	102	75	125	0.9	20	
Nickel	0.0534	mg/L	0.010	99	75	125	3.4	20	
Selenium	0.0650	mg/L	0.0050	106	75	125	2.4	20	
Sample ID: **LRB**	Method Blank				Run: ICPMS203-B_100428A				04/28/10 13:04
Arsenic	ND	mg/L	2E-05						
Nickel	0.0006	mg/L	5E-05						
Selenium	ND	mg/L	4E-05						
Sample ID: **LFB**	Laboratory Fortified Blank				Run: ICPMS203-B_100428A				04/28/10 13:08
Arsenic	0.0529	mg/L	0.0010	106	85	115			
Nickel	0.0521	mg/L	0.0010	103	85	115			
Selenium	0.0526	mg/L	0.0010	105	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS203-B_100503A
Sample ID: QCS-090929A,100420A,1	Initial Calibration Verification Standard								05/03/10 10:19
Antimony	0.0522	mg/L	0.0010	104	90	110			
Sample ID: ICSA-ME091229B	Interference Check Sample A								05/03/10 10:23
Antimony	0.00253	mg/L	0.0010						
Sample ID: ICSAB-ME091229B,0910	Interference Check Sample AB								05/03/10 10:27
Antimony	0.000801	mg/L	0.0010		0	0			
Method: SW6020									Batch: R146994
Sample ID: B10041680-001BDIL	Serial Dilution				Run: ICPMS203-B_100503A				05/03/10 12:06
Antimony	0.00160	mg/L	0.0050		0	0		10	
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS203-B_100503A				05/03/10 11:01
Antimony	0.0488	mg/L	0.0010	98	85	115			
Sample ID: LRB	Method Blank				Run: ICPMS203-B_100503A				05/03/10 10:53
Antimony	6E-05	mg/L	1E-05						
Sample ID: B10042373-001BMS	Sample Matrix Spike				Run: ICPMS203-B_100503A				05/03/10 11:50
Antimony	0.0488	mg/L	0.0050	97	75	125			
Sample ID: B10042373-001BMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_100503A				05/03/10 11:54
Antimony	0.0499	mg/L	0.0050	99	75	125	2.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 05/05/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW7470A**									Analytical Run: HGCV201-B_100421A
Sample ID: **QCS**	Initial Calibration Verification Standard								04/21/10 11:28
Mercury	0.00193	mg/L	0.0010	97	90	110			
Method: **SW7470A**									Batch: 45824
Sample ID: **MB-45824**	Method Blank				Run: HGCV201-B_100421A				04/21/10 11:35
Mercury	ND	mg/L	5E-05						
Sample ID: **LCS-45824**	Laboratory Control Sample				Run: HGCV201-B_100421A				04/21/10 11:37
Mercury	0.00185	mg/L	0.0010	93	85	115			
Sample ID: **B10041680-001BMS**	Sample Matrix Spike				Run: HGCV201-B_100421A				04/21/10 11:41
Mercury	0.00187	mg/L	0.0010	94	85	115			
Sample ID: **B10041680-001BMSD**	Sample Matrix Spike Duplicate				Run: HGCV201-B_100421A				04/21/10 11:43
Mercury	0.00188	mg/L	0.0010	94	85	115	0.5	20	
Sample ID: **B10041680-011BMS**	Sample Matrix Spike				Run: HGCV201-B_100421A				04/21/10 12:11
Mercury	0.00177	mg/L	0.0010	89	85	115			
Sample ID: **B10041680-011BMSD**	Sample Matrix Spike Duplicate				Run: HGCV201-B_100421A				04/21/10 12:13
Mercury	0.00187	mg/L	0.0010	94	85	115	5.5	20	
Sample ID: **B10041680-015BDIL**	Serial Dilution				Run: HGCV201-B_100421A				04/21/10 12:42
Mercury	ND	mg/L	0.0010		0	0		20	N

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 04/29/10
Work Order: B10041680

Method: **SW8260B** Batch: R146789

Sample ID: **lcs042710** Laboratory Control Sample Run: CS5972A.I_100427A 04/27/10 10:57

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	40.0	ug/L	20	80	62	130			
Acrylonitrile	40.8	ug/L	20	82	60	130			
Benzene	4.04	ug/L	1.0	81	71	133			
Bromochloromethane	3.77	ug/L	1.0	75	68	131			
Bromodichloromethane	3.96	ug/L	1.0	79	67	138			
Bromoform	4.36	ug/L	1.0	87	64	136			
Bromomethane	5.00	ug/L	1.0	100	60	138			
Carbon disulfide	4.40	ug/L	1.0	88	46	145			
Carbon tetrachloride	4.04	ug/L	1.0	81	61	144			
Chlorobenzene	4.08	ug/L	1.0	82	78	136			
Chlorodibromomethane	4.08	ug/L	1.0	82	72	136			
Chloroethane	4.36	ug/L	1.0	87	64	136			
Chloroform	3.83	ug/L	1.0	77	69	133			
Chloromethane	4.56	ug/L	1.0	91	63	149			
1,2-Dibromo-3-chloropropane	4.36	ug/L	1.0	87	63	125			
1,2-Dibromoethane	4.04	ug/L	1.0	81	75	131			
Dibromomethane	3.96	ug/L	1.0	79	72	133			
1,2-Dichlorobenzene	4.20	ug/L	1.0	84	78	129			
1,4-Dichlorobenzene	4.24	ug/L	1.0	85	78	131			
trans-1,4-Dichloro-2-butene	4.08	ug/L	1.0	82	50	142			
Dichlorodifluoromethane	4.76	ug/L	1.0	95	55	141			
1,1-Dichloroethane	3.95	ug/L	1.0	79	72	130			
1,2-Dichloroethane	3.78	ug/L	1.0	76	57	146			
1,1-Dichloroethene	3.82	ug/L	1.0	76	66	142			
cis-1,2-Dichloroethene	3.98	ug/L	1.0	80	74	133			
trans-1,2-Dichloroethene	4.04	ug/L	1.0	81	76	138			
1,2-Dichloropropane	4.04	ug/L	1.0	81	72	135			
cis-1,3-Dichloropropene	4.24	ug/L	1.0	85	75	132			
trans-1,3-Dichloropropene	4.24	ug/L	1.0	85	77	145			
Ethylbenzene	4.24	ug/L	1.0	85	78	131			
2-Hexanone	43.6	ug/L	20	87	72	131			
Iodomethane	4.52	ug/L	1.0	90	66	132			
Methyl ethyl ketone	42.4	ug/L	20	85	55	145			
Methyl isobutyl ketone	42.8	ug/L	20	86	73	129			
Methylene chloride	3.76	ug/L	1.0	75	73	126			
Styrene	4.20	ug/L	1.0	84	76	134			
1,1,1,2-Tetrachloroethane	4.16	ug/L	1.0	83	75	135			
1,1,2,2-Tetrachloroethane	4.08	ug/L	1.0	82	72	132			
Tetrachloroethene	4.20	ug/L	1.0	84	78	137			
Toluene	4.24	ug/L	1.0	85	78	134			
1,1,1-Trichloroethane	3.92	ug/L	1.0	78	64	141			
1,1,2-Trichloroethane	3.92	ug/L	1.0	78	72	133			
Trichloroethene	3.97	ug/L	1.0	79	75	138			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 04/29/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R146789
Sample ID: lcs042710	Laboratory Control Sample				Run: CS5972A.I_100427A				04/27/10 10:57
Trichlorofluoromethane	4.40	ug/L	1.0	88	58	139			
1,2,3-Trichloropropane	3.56	ug/L	1.0	71	67	133			
Vinyl acetate	4.16	ug/L	1.0	83	31	124			
Vinyl chloride	4.60	ug/L	1.0	92	66	140			
m+p-Xylenes	8.44	ug/L	1.0	84	78	133			
o-Xylene	4.24	ug/L	1.0	85	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	94	70	130			
Surr: Dibromofluoromethane			1.0	101	77	126			
Surr: p-Bromofluorobenzene			1.0	109	76	127			
Surr: Toluene-d8			1.0	108	79	122			
Sample ID: blk042710	Method Blank				Run: CS5972A.I_100427A				04/27/10 11:52
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 04/29/10
Project: Landfill #102 **Work Order:** B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R146789
Sample ID: blk042710	Method Blank				Run: CS5972A.I_100427A				04/27/10 11:52
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	94	70	130			
Surr: Dibromofluoromethane			1.0	101	77	126			
Surr: p-Bromofluorobenzene			1.0	109	76	127			
Surr: Toluene-d8			1.0	107	79	122			
Sample ID: blka042710	Method Blank				Run: CS5972A.I_100427A				04/27/10 23:14
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 04/29/10
Project: Landfill #102 **Work Order:** B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R146789	
Sample ID: blka042710	Method Blank				Run: CS5972A.I_100427A			04/27/10 23:14	
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	100	70	130			
Surr: Dibromofluoromethane			1.0	107	77	126			
Surr: p-Bromofluorobenzene			1.0	109	76	127			
Surr: Toluene-d8			1.0	103	79	122			
Sample ID: B10041680-001Ems	Sample Matrix Spike				Run: CS5972A.I_100427A			04/27/10 23:42	
Acetone	48.8	ug/L	20	98	62	130			
Acrylonitrile	49.2	ug/L	20	98	60	130			
Benzene	4.56	ug/L	1.0	91	71	133			
Bromochloromethane	4.44	ug/L	1.0	89	68	131			
Bromodichloromethane	4.72	ug/L	1.0	94	67	138			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 04/29/10
Project: Landfill #102 **Work Order:** B10041680

Method: **SW8260B** Batch: R146789

Sample ID: **B10041680-001Ems** Sample Matrix Spike Run: CS5972A.I_100427A 04/27/10 23:42

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Bromoform	4.84	ug/L	1.0	97	64	136			
Bromomethane	5.36	ug/L	1.0	107	60	138			
Carbon disulfide	4.32	ug/L	1.0	86	46	145			
Carbon tetrachloride	4.28	ug/L	1.0	86	61	144			
Chlorobenzene	4.92	ug/L	1.0	98	78	136			
Chlorodibromomethane	5.12	ug/L	1.0	102	72	136			
Chloroethane	5.04	ug/L	1.0	101	64	136			
Chloroform	4.16	ug/L	1.0	83	69	133			
Chloromethane	5.00	ug/L	1.0	100	63	149			
1,2-Dibromo-3-chloropropane	4.84	ug/L	1.0	97	63	125			
1,2-Dibromoethane	5.12	ug/L	1.0	102	75	131			
Dibromomethane	4.68	ug/L	1.0	94	72	133			
1,2-Dichlorobenzene	4.80	ug/L	1.0	96	78	129			
1,4-Dichlorobenzene	4.68	ug/L	1.0	94	78	131			
trans-1,4-Dichloro-2-butene	3.97	ug/L	1.0	79	50	142			
Dichlorodifluoromethane	5.28	ug/L	1.0	106	55	141			
1,1-Dichloroethane	4.40	ug/L	1.0	88	72	130			
1,2-Dichloroethane	4.32	ug/L	1.0	86	57	146			
1,1-Dichloroethene	4.24	ug/L	1.0	85	66	142			
cis-1,2-Dichloroethene	4.40	ug/L	1.0	88	74	133			
trans-1,2-Dichloroethene	4.32	ug/L	1.0	86	76	138			
1,2-Dichloropropane	4.76	ug/L	1.0	95	72	135			
cis-1,3-Dichloropropene	4.72	ug/L	1.0	94	75	132			
trans-1,3-Dichloropropene	4.72	ug/L	1.0	94	77	145			
Ethylbenzene	4.88	ug/L	1.0	98	78	131			
2-Hexanone	56.8	ug/L	20	114	72	131			
Iodomethane	4.44	ug/L	1.0	89	66	132			
Methyl ethyl ketone	52.8	ug/L	20	106	55	145			
Methyl isobutyl ketone	55.2	ug/L	20	110	73	129			
Methylene chloride	4.16	ug/L	1.0	83	73	126			
Styrene	4.92	ug/L	1.0	98	76	134			
1,1,1,2-Tetrachloroethane	4.92	ug/L	1.0	98	75	135			
1,1,2,2-Tetrachloroethane	4.80	ug/L	1.0	96	72	132			
Tetrachloroethene	4.92	ug/L	1.0	98	78	137			
Toluene	5.00	ug/L	1.0	100	78	134			
1,1,1-Trichloroethane	4.24	ug/L	1.0	85	64	141			
1,1,2-Trichloroethane	5.04	ug/L	1.0	101	72	133			
Trichloroethene	4.72	ug/L	1.0	94	75	138			
Trichlorofluoromethane	4.68	ug/L	1.0	94	58	139			
1,2,3-Trichloropropane	4.44	ug/L	1.0	89	67	133			
Vinyl acetate	3.97	ug/L	1.0	79	31	124			
Vinyl chloride	5.04	ug/L	1.0	101	66	140			
m+p-Xylenes	11.1	ug/L	1.0	102	78	133			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 04/29/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW8260B**									Batch: R146789
Sample ID: B10041680-001Ems	Sample Matrix Spike				Run: CS5972A.I_100427A				04/27/10 23:42
o-Xylene	5.44	ug/L	1.0	99	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	93	70	130			
Surr: Dibromofluoromethane			1.0	99	77	126			
Surr: p-Bromofluorobenzene			1.0	107	76	127			
Surr: Toluene-d8			1.0	109	79	122			
Sample ID: B10041680-001Emsd	Sample Matrix Spike Duplicate				Run: CS5972A.I_100427A				04/28/10 00:09
Acetone	52.4	ug/L	20	105	62	130	7.1	20	
Acrylonitrile	49.6	ug/L	20	99	60	130	0.8	20	
Benzene	4.76	ug/L	1.0	95	71	133	4.3	20	
Bromochloromethane	4.48	ug/L	1.0	90	68	131	0.9	20	
Bromodichloromethane	4.48	ug/L	1.0	90	67	138	5.2	20	
Bromoform	4.88	ug/L	1.0	98	64	136	0.8	20	
Bromomethane	5.84	ug/L	1.0	117	60	138	8.6	20	
Carbon disulfide	4.64	ug/L	1.0	93	46	145	7.1	20	
Carbon tetrachloride	4.60	ug/L	1.0	92	61	144	7.2	20	
Chlorobenzene	4.72	ug/L	1.0	94	78	136	4.1	20	
Chlorodibromomethane	4.72	ug/L	1.0	94	72	136	8.1	20	
Chloroethane	5.32	ug/L	1.0	106	64	136	5.4	20	
Chloroform	4.52	ug/L	1.0	90	69	133	8.3	20	
Chloromethane	5.48	ug/L	1.0	110	63	149	9.2	20	
1,2-Dibromo-3-chloropropane	4.72	ug/L	1.0	94	63	125	2.5	20	
1,2-Dibromoethane	4.64	ug/L	1.0	93	75	131	9.8	20	
Dibromomethane	4.52	ug/L	1.0	90	72	133	3.5	20	
1,2-Dichlorobenzene	4.80	ug/L	1.0	96	78	129	0	20	
1,4-Dichlorobenzene	4.72	ug/L	1.0	94	78	131	0.9	20	
trans-1,4-Dichloro-2-butene	4.08	ug/L	1.0	82	50	142	2.8	20	
Dichlorodifluoromethane	5.60	ug/L	1.0	112	55	141	5.9	20	
1,1-Dichloroethane	4.64	ug/L	1.0	93	72	130	5.3	20	
1,2-Dichloroethane	4.56	ug/L	1.0	91	57	146	5.4	20	
1,1-Dichloroethene	4.44	ug/L	1.0	89	66	142	4.6	20	
cis-1,2-Dichloroethene	4.60	ug/L	1.0	92	74	133	4.4	20	
trans-1,2-Dichloroethene	4.56	ug/L	1.0	91	76	138	5.4	20	
1,2-Dichloropropane	4.64	ug/L	1.0	93	72	135	2.6	20	
cis-1,3-Dichloropropene	4.56	ug/L	1.0	91	75	132	3.4	20	
trans-1,3-Dichloropropene	4.56	ug/L	1.0	91	77	145	3.4	20	
Ethylbenzene	4.72	ug/L	1.0	94	78	131	3.3	20	
2-Hexanone	56.4	ug/L	20	113	72	131	0.7	20	
Iodomethane	4.88	ug/L	1.0	98	66	132	9.4	20	
Methyl ethyl ketone	56.8	ug/L	20	114	55	145	7.3	20	
Methyl isobutyl ketone	53.6	ug/L	20	107	73	129	2.9	20	
Methylene chloride	4.36	ug/L	1.0	87	73	126	4.7	20	
Styrene	4.72	ug/L	1.0	94	76	134	4.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 04/29/10
Work Order: B10041680

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R146789
Sample ID: B10041680-001Emsd	Sample Matrix Spike Duplicate				Run: CS5972A.I_100427A				04/28/10 00:09
1,1,1,2-Tetrachloroethane	4.72	ug/L	1.0	94	75	135	4.1	20	
1,1,2,2-Tetrachloroethane	4.92	ug/L	1.0	98	72	132	2.5	20	
Tetrachloroethene	4.80	ug/L	1.0	96	78	137	2.5	20	
Toluene	4.76	ug/L	1.0	95	78	134	4.9	20	
1,1,1-Trichloroethane	4.68	ug/L	1.0	94	64	141	9.9	20	
1,1,2-Trichloroethane	4.56	ug/L	1.0	91	72	133	10	20	
Trichloroethene	4.72	ug/L	1.0	94	75	138	0	20	
Trichlorofluoromethane	5.12	ug/L	1.0	102	58	139	9	20	
1,2,3-Trichloropropane	4.20	ug/L	1.0	84	67	133	5.6	20	
Vinyl acetate	4.32	ug/L	1.0	86	31	124	8.4	20	
Vinyl chloride	5.52	ug/L	1.0	110	66	140	9.1	20	
m+p-Xylenes	9.52	ug/L	1.0	86	78	133	15	20	
o-Xylene	4.76	ug/L	1.0	86	79	136	13	20	
Surr: 1,2-Dichloroethane-d4			1.0	104	70	130			
Surr: Dibromofluoromethane			1.0	105	77	126			
Surr: p-Bromofluorobenzene			1.0	108	76	127			
Surr: Toluene-d8			1.0	108	79	122			
Method: SW8260B									Batch: R146790
Sample ID: lcs042810	Laboratory Control Sample				Run: CS5972A.I_100428A				04/28/10 10:13
Tetrachloroethene	4.64	ug/L	1.0	93	78	137			
Surr: 1,2-Dichloroethane-d4			1.0	101	70	130			
Surr: Dibromofluoromethane			1.0	108	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	108	79	122			
Sample ID: blk042410	Method Blank				Run: CS5972A.I_100428A				04/28/10 11:08
Tetrachloroethene	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	97	70	130			
Surr: Dibromofluoromethane			1.0	104	77	126			
Surr: p-Bromofluorobenzene			1.0	109	76	127			
Surr: Toluene-d8			1.0	105	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Workorder Receipt Checklist

Richland County Health Dept

B10041680

Login completed by: Jill M. Lippard

Date Received: 4/20/2010

Reviewed by: BL2000\kmcdonald

Received by: lg

Reviewed Date: 4/20/2010

Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	6°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	Not Applicable ☐

Contact and Corrective Action Comments:

Samples SL-8 and SL-9 for cyanide were received at pH ~10, 2 mL NAOH added to preserve to pH >12.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 2

PLEASE PRINT (Provide as much information as possible.)

Company Name: Richland County	Project Name, PWS, Permit, Etc. Landfill #102	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: 1201 West Holly Suite 5	Contact Name: Kelly Logan Phone/Fax:	Email: KLOGAN@richland.org	Sampler: (Please Print)
Invoice Address: Sidney MT 59270	Invoice Contact & Phone: 433-6876	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

☐ DW
☐ POTW/WWTP
☐ State: ________
☐ Other: ________

☐ EDD/EDT (Electronic Data)
Format: ________
☐ LEVEL IV
☐ NELAC

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids
Vegetation Bioassay Other
DW - Drinking Water

ANALYSIS REQUESTED

SEE ATTACHED

Standard Turnaround (TAT)

RUSH → Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Shipped by: [illegible]

Cooler ID(s):

Receipt Temp 6 °C

On Ice: [✓ Y] N

Custody Seal
On Bottle Y [✓ N]
On Cooler [✓ Y] N
Intact [✓ Y] N
Signature Match [✓ Y] N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	IONS	metals	nutrients	VOC's	cyanide								Comments:	LABORATORY USE ONLY
0	1 Lamphier	4-15	1615	H_2O	X	X	X	X	X								A/30 Ca et Mg	B10041680-1
1	2 S-3	4-15	1434		X	X	X	X	X								Na K	-2
0	3 S-5	4-15	1542		X	X	X	X	X								HCO_3 CO_3	-3
2	4 Almond	4-15	1507		X	X	X	X	X									-4
1	5 Steffen	4-15	1749		X	X	X	X	X								NH_3	-5
1	6 SL-1	4-16	1252		X	X	X	X	X									-6
1	7 SL-2	4/16	1352		X	X	X	X	X								total Alk	-7
1	8 SL-3	4/17	1744		X	X	X	X	X								used quote 1	-8
2	9 SL-4	4-17	1235		X	X	X	X	X								Landfill List	-9
2	10 SL-5	4-18	0941		X	X	X	X	X								App I per history → 4/20/10	-10

Custody Record MUST be Signed

Relinquished by (print): Kelly Logan	Date/Time: 4-19-2010	Signature:	Received by (print): UPS	Date/Time:	Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal:	Return to Client: ________	Lab Disposal: ________	Received by Laboratory:	Date/Time: 4-20-10 9:00	Signature: Lin Demezye

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 2 of 2

PLEASE PRINT (Provide as much information as possible.)

Company Name: Richland County
Project Name, PWS, Permit, Etc.: Landfill #102
Sample Origin State:
EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: 1201 West Holly Suite #5
Contact Name: Kelly Logan
Phone/Fax:
Email: KLOGAN@richland.org
Sampler: (Please Print)
Invoice Address: Sidney MT 59270
Invoice Contact & Phone: 433-6876
Purchase Order:
Quote/Bottle Order:

Special Report/Formats:
☐ DW
☐ POTW/WWTP
☐ State: ______
☐ Other: ______
☐ EDD/EDT (Electronic Data) Format: ______
☐ LEVEL IV
☐ NELAC

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids
Vegetation Bioassay Other
DW - Drinking Water

ANALYSIS REQUESTED

➡ Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Shipped by: [illegible]
Cooler ID(s):
Receipt Temp 6 °C
On Ice: [✓ Y] N
Custody Seal
On Bottle Y [✓ N]
On Cooler [✓ Y] N
Intact [✓ Y] N
Signature Match [✓ Y] N

		SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	IONS	metals	nutrients	VOC's	cyanide	SEE ATTACHED	Standard Turnaround (TAT)	RUSH	LABORATORY USE ONLY
	1	SL-6	4-18	0948	H2O	X	X	X	X	X				-11
2	2	SL-7	4-17	1058		X	X	X	X	X				-12
1	3	SL-8	4-17	1630		X	X	X	X	X				-13
1	4	SL-9	4-16	1453		X	X	X	X	X				-14
1	5	DUP	4-17			X	X	X	X					-15
	6	TB1 TS0248	4-12-10											-16
	7	TB2 TS0248	4-12-10											-17
	8													
	9													
	10													

Comments:
Also
Na, K
Mg, Ca
[illegible]3
HCO3 CO3
NH3
Total Alk.

Custody Record MUST be Signed

Relinquished by (print): Kelly Logan Date/Time: 4-19-2010 Signature:
Received by (print): UPS Date/Time: Signature:
Relinquished by (print): Date/Time: Signature:
Received by (print): Date/Time: Signature:
Received by Laboratory: Date/Time: 4-20-10 9:00 Signature:
Sample Disposal: Return to Client: ______ Lab Disposal: ______

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

DISTRICT SANITARIAN
RICHLAND and McCONE COUNTY HEALTH DEPARTMENTS

1201 West Holly St. Suite 5 Sidney, MT 59270 Phone: 406-433-6876

MEMORANDUM

TO: Martin Van Oort; DEQ/Permitting & Compliance/Solid Waste

FROM: Kelly Logan

DATE: September 15, 2010

SUBJECT: Richland County Landfill # 102 – July 2010 sampling

RECEIVED
SEP 17 2010
DEPT. OF ENVIRO. QUALITY
WASTE & UNDERGROUND TANK
MANAGEMENT BUREAU

Groundwater samples were collected from Richland County Landfill #102 during July 2010. SL-3, SL-4, and Sl-6 thru SL-9 were sampled July 24 thru July 25. Duplicate was collected from SL-3. SL-10 thru SL-14 were collected from July 27 thru July 30 with a duplicate taken from SL-14. Methylene chloride and carbon disulfide were detected below the reporting limit in the trip blank dated 7/24. Methylene chloride was also detected in the trip blank dated 7/27 at 1.8 ug/L. Spike recovery for bromomethane was outside the acceptable limits.

Information on the additional wells drilled is included in our consultants report. Below is a sampling summary for wells SL-3, SL-4, and SL-6 thru SL-14. SL-15 was dry.

Data analysis

- Concentrations of tetrachloroethene appear to have stabilized at SL-3, SL-9 while that concentration at SL-4 is stable or decreasing slightly.
- Concentration of tetrachloroethene at SL-6, SL-7, and SL-8 maybe increasing slightly. This would follow the suspected groundwater flow pattern.
- Tetrachloroethene was not detected in wells SL-10 thru SL-14.

SL-3	Tetrachloroethene	Trichloroethene	Cis-1,2 dichloroethene	Trans-1,2 dichloroethene Vinyl chloride
12/2/09	9.1	1.2	3.0	ND
4/17/10	6.4	0.94	2.3	ND
7/25/10	8.9	1.4	3.4	
SL-4				
12/02/09	27	0.70	0.40	ND
4/17/10	23	0.48	0.30	ND
7/25/10	21	0.51	0.32	ND
SL-6				
12/02/09	12	0.33	0.29	ND
4/18/10	17	0.39	0.33	ND
7/25/10	20	0.47	0.38	ND

SL-7				
12/01/09	23	0.92	0.53	ND
4/17/10	25	0.73	0.30	ND
7/24/10	26	0.69	0.28	ND
SL-8				
12/01/09	14	0.44	0.37	ND
4/17/10	16	0.50	0.51	ND
7/24/10	19	0.76	0.87	ND
SL-9				
12/01/09	10	0.97	2.3	ND
4/16/10	8.6	0.81	1.9	ND
7/24/10	9.0	0.90	2.1	ND

- The following VOC's were detected below the reporting limit in one or all of the new wells: acetone, benzene, carbon disulfide, 1,4-dichlorobenzene, 2-hexone, MEK, methyl isobutyl ketone, toluene, and xylene.
- Groundwater flow direction from the deep cells appears to be to the north-northeast-north-northwest.
- Calculated groundwater velocity is 0.12 ft/day.

Next scheduled sampling is for October. A reduction in the parameters tested is requested based on the schedule:

- Sample wells SL-5 thru SL-14 for VOC's and field parameters only since the purpose of these wells are to determine the down gradient extent of PCE-impacted groundwater.
- Discontinue sampling spring S-3. Monitoring wells SL-10, 11, and 13 are more suitable sampling points.
- Sample for VOC's and inorganic's in the spring and fall in wells SL-1 thru SL-4 and spring S-5. Cyanide and COD will not be tested. Cyanide has not been detected and COD values have been low.
- Test for barium in the spring in monitoring wells SL-1 thru SL-4 and S-3. Barium has exceeded the groundwater protection standard in SL-3 but is at low concentrations in the remaining wells. Selenium has been detected in SL-4 and will be tested if required.
- Sample Almond's spring and Lamphier's dug well for field parameters only. Specific conductance is high where PCE has been detected and these two sampling points have had low conductivity values. Any significant changes in conductivity will warrant additional testing.

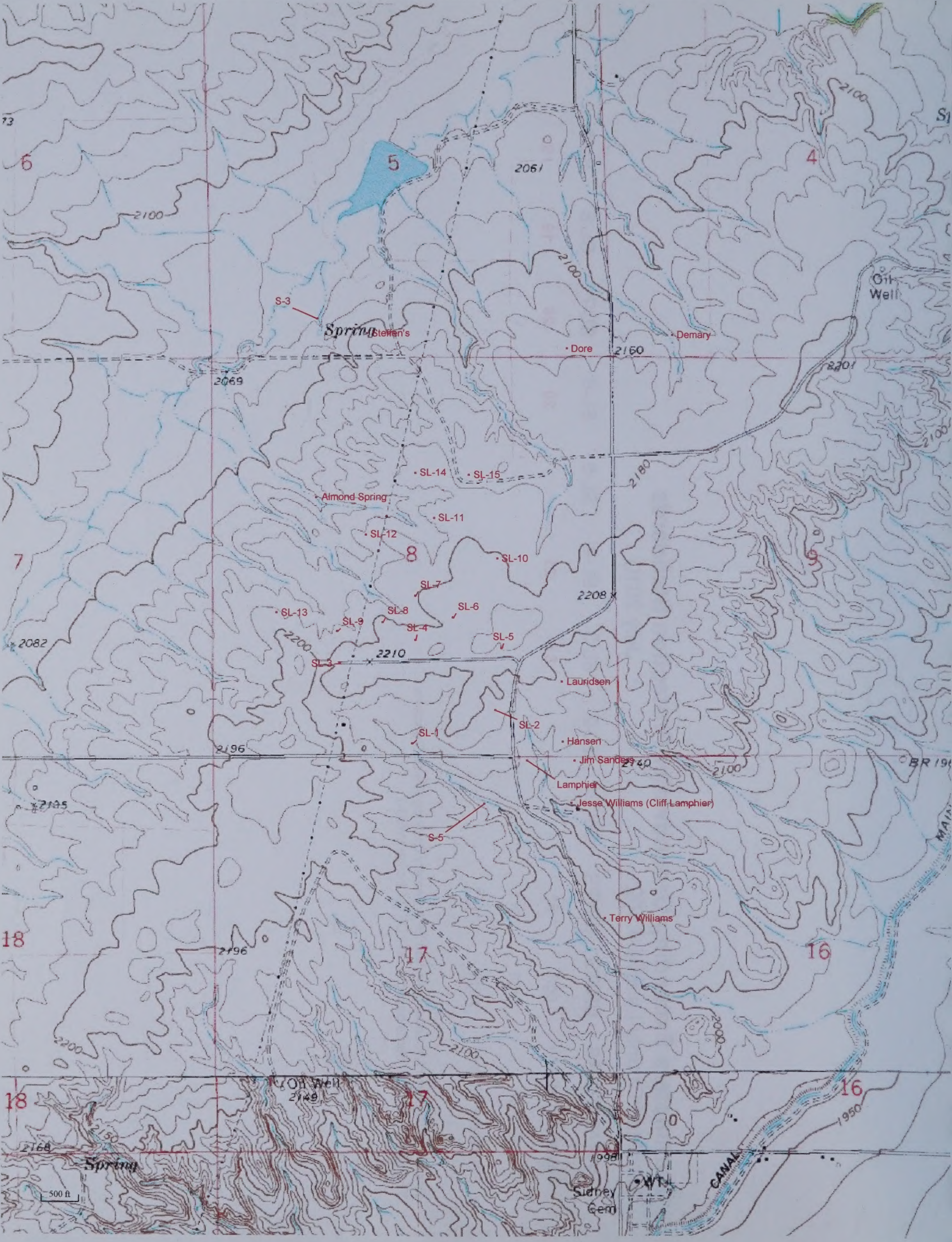
Parameters Exceeding Groundwater Protection Standards

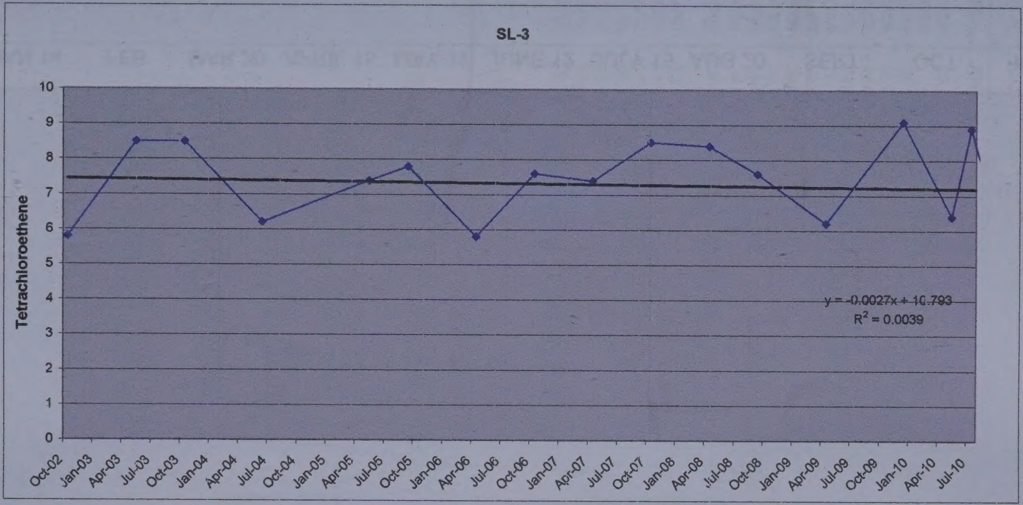
Richland County Landfill # 102 July 2010

PARAMETERS	UNITS	GWPS	SL-1	SL-2	SL-3	SL-4	SL-5	SL-6	SL-7	SL-8	SL-9
Tetrachloroethene	ug/l	5*			8.9	21		20	26	19	9
Barium	mg/l	2**									
Nitrate + nitrite	mg/l	10**									

*Maximum Contaminant Level based on EPA Primary Drinking Water Standards

**Human Health Standards based on MT DEQ Circular WQB-7


73
6
5
2061
4
2100
S-3
Spring
Steffen's
Dore
2160
Demary
Oil Well
2201
2069
2180
SL-14
SL-15
Almond Spring
SL-11
SL-12
8
7
SL-10
9
2208
SL-7
SL-13
SL-8
SL-6
SL-9
SL-4
SL-5
2082
2200
SL-3
2210
Lauridsen
SL-2
SL-1
Hansen
2196
Jim Sanders
2140
2100
BR 19
Lamphier
2105
Jesse Williams (Cliff Lamphier)
S-5
MAIN
Terry Williams
18
17
16
2196
2000
2200
2100
Oil Well
2149
18
17
16
1950
2150
2168
Spring
1998
CANAL
WT
Sidney
Cem
500 ft


SL-3
Tetrachloroethene
10
9
8
7
6
5
4
3
2
1
0
y = -0.0027x + 10.793
R^2 = 0.0039
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Jan-06
Apr-06
Jul-06
Oct-06
Jan-07
Apr-07
Jul-07
Oct-07
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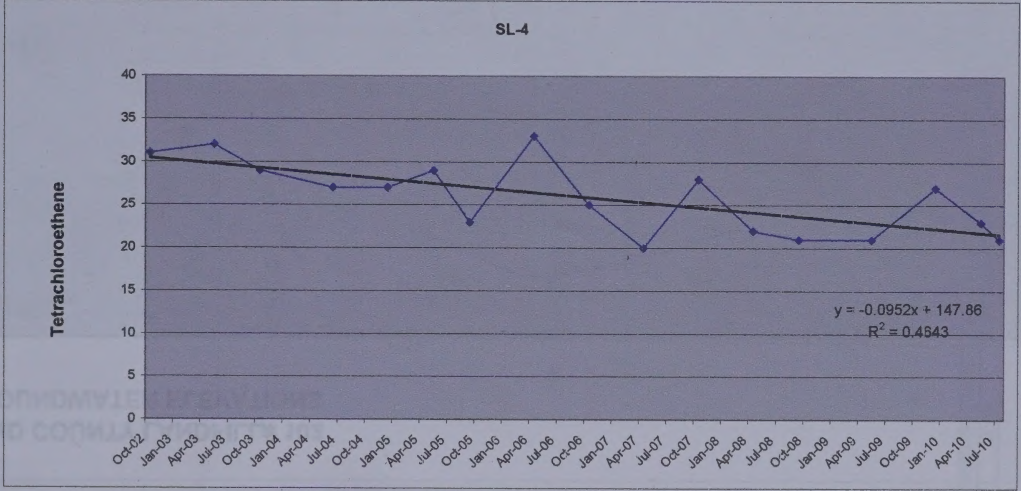
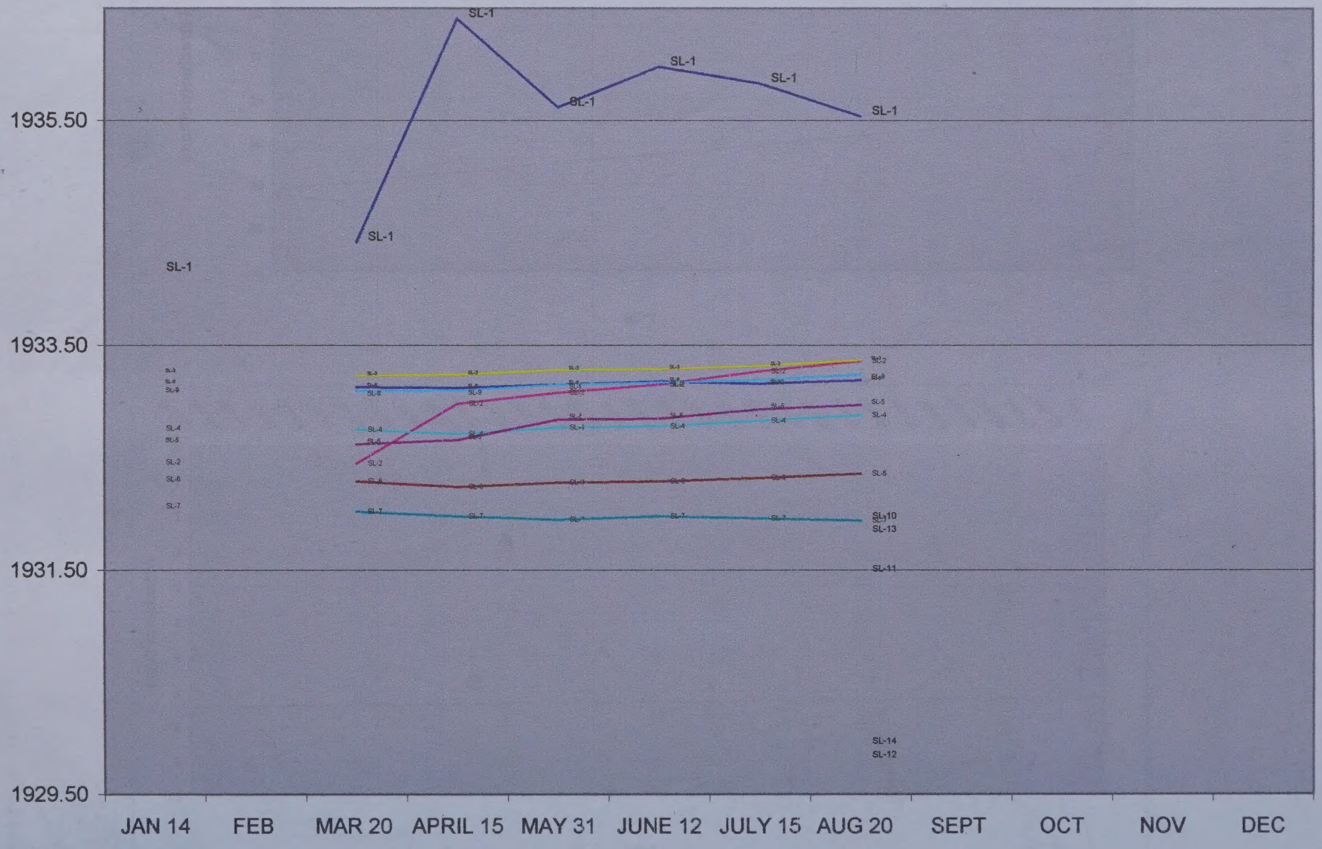
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10

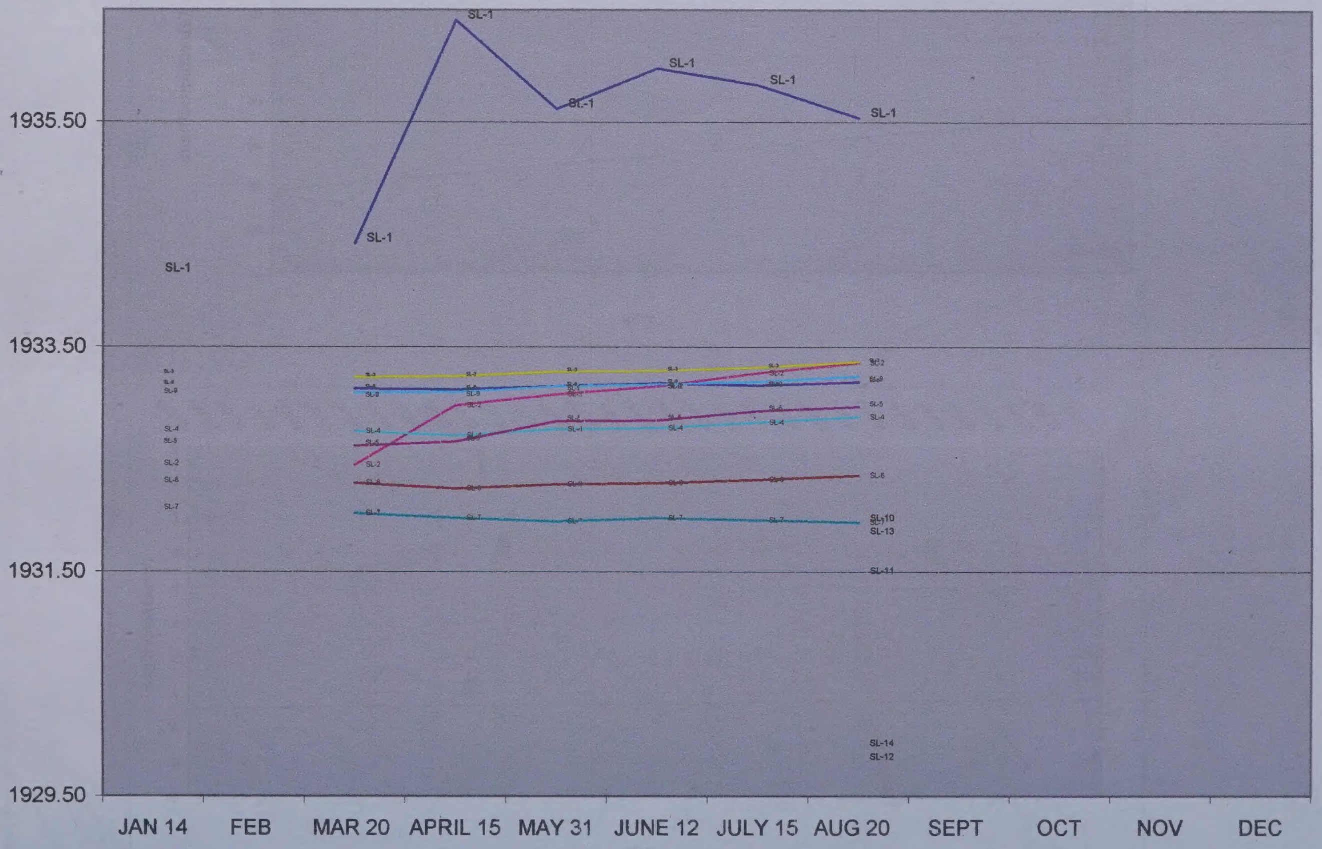

SL-4
Tetrachloroethene
40
35
30
25
20
15
10
5
0
y = -0.0952x + 147.86
R^2 = 0.4643
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Jan-06
Apr-06
Jul-06
Oct-06
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10

RICHLAND COUNTY LANDFILL# 102
2010 GROUNDWATER ELEVATIONS



	1964.05		1985.48		2009.73		5	1989.71		1985.65		1974.32	
	SL-1		SL-2		SL-3			SL-13		SL-14		SL-15	
date	depth	elevation	depth	elevation	depth	elevation	vation	depth	elevation	depth	elevation	depth	elevation
01/01/09	29.94	1934.11	52.93	1932.55	76.35	1933.38							
02/09/09													
03/24/09	29.32	1934.73	53.94	1932.54	76.34	1933.39							
04/26/09	28.76	1935.29	52.76	1932.72	76.27	1933.46							
05/09/09	28.94	1935.11	52.76	1932.72	76.29	1933.44							
06/27/09	29.33	1934.72	52.82	1932.66	76.34	1933.39							
07/22/09	29.46	1934.59	52.87	1932.61	76.35	1933.38							
08/21/09	29.58	1934.47	52.91	1932.57	76.37	1933.36							
09/10/09	29.65	1934.40	52.92	1932.56	76.39	1933.34							
10/29/09	29.78	1934.27	52.96	1932.52	76.42	1933.31							
11/19/09	29.82	1934.23	52.86	1932.62	76.44	1933.29							
11/30/09	29.84	1934.21	52.98	1932.50	76.44	1933.29							
12/16/09	29.86	1934.19	52.99	1932.49	76.45	1933.28							
01/14/10	29.90	1934.15	53.02	1932.46	76.47	1933.26							
03/20/10	29.63	1934.42	53.03	1932.45	76.50	1933.23							
04/15/10	27.64	1936.41	52.50	1932.98	76.49	1933.24							
05/31/10	28.43	1935.62	52.40	1933.08	76.45	1933.28							
06/12/10	28.07	1935.98	52.33	1933.15	76.44	1933.29							
07/15/10	28.22	1935.83	52.21	1933.27	76.41	1933.32							
08/20/10	28.51	1935.54	52.12	1933.36	76.36	1933.37	29.85	57.65	1932.06	55.68	1929.97	dry	

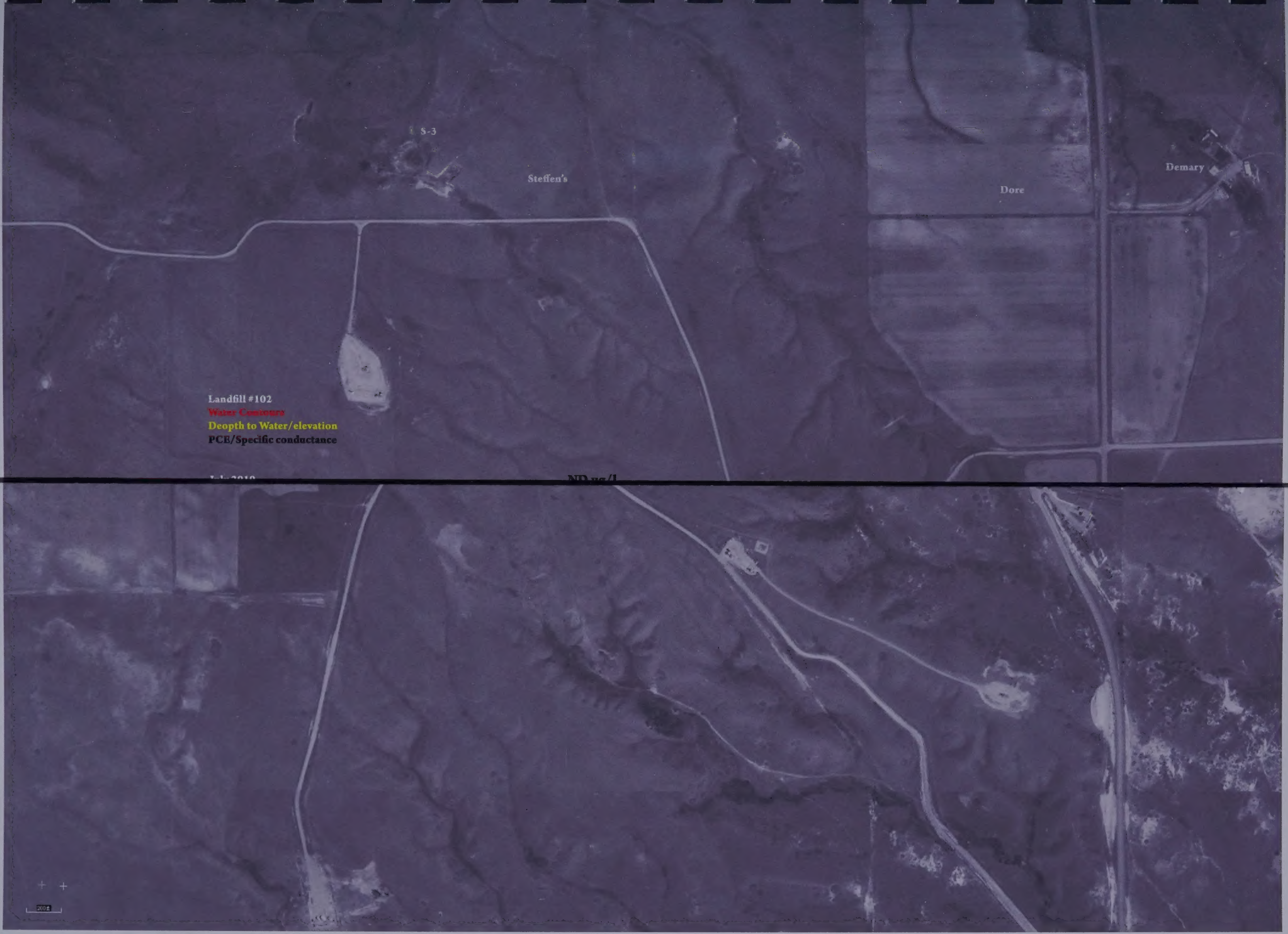
RICHLAND COUNTY LANDFILL# 102
2010 GROUNDWATER ELEVATIONS

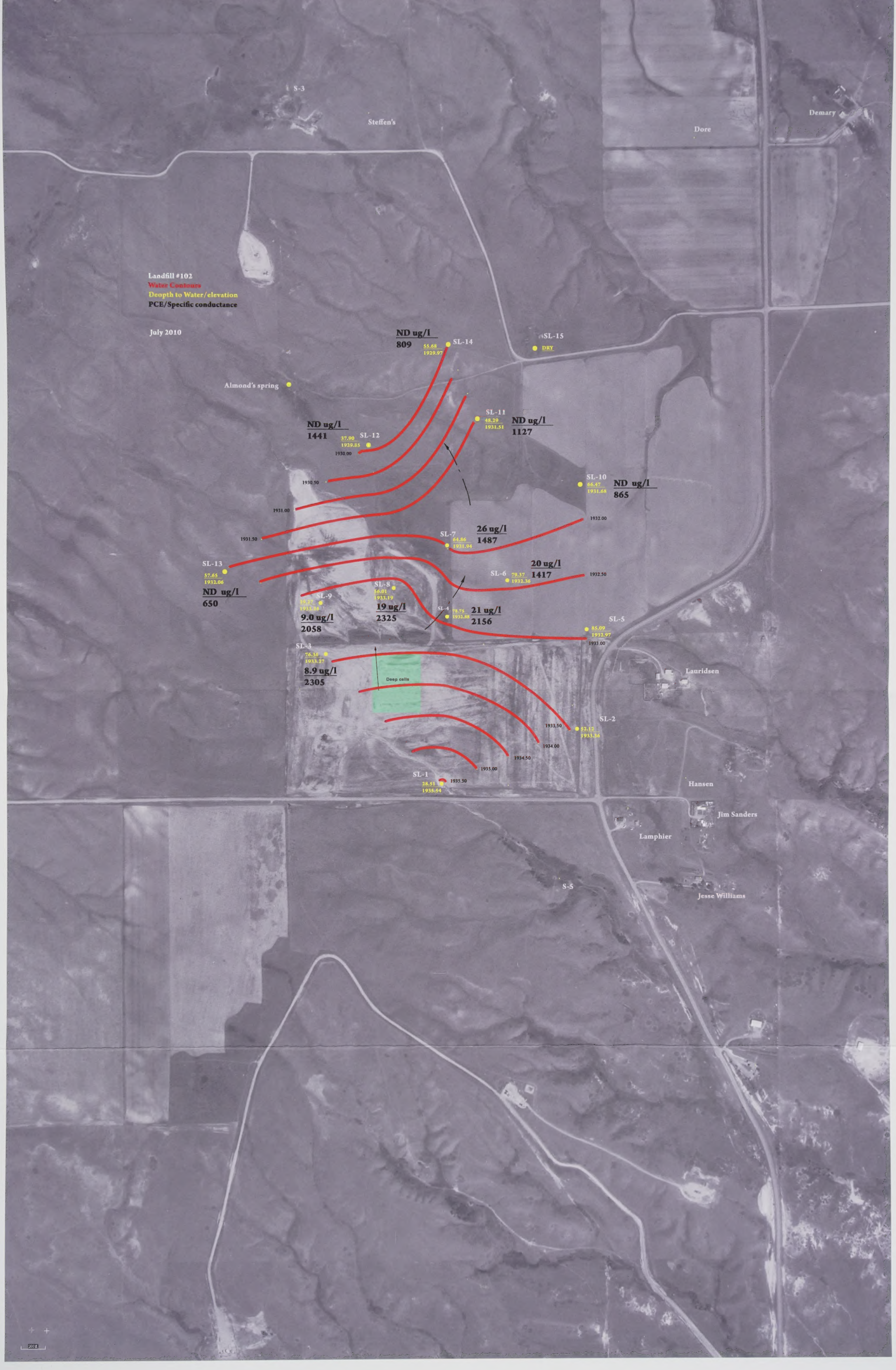


GROUNDWATER LEVEL DATA - RICHLAND COUNTY LANDFILL # 102

MEASURING POINT ELEVATION

	1964.05		1985.48		2009.73		2011.63		2018.06		2011.73		1996.09 1996.11* 1995.80**		1989.20		1972.51		1998.15		1979.8		1967.75		1989.71		1985.65		1974.32	
	SL-1		SL-2		SL-3		SL-4		SL-5		SL-6		SL-7		SL-8		SL-9		SL-10		SL-11		SL-12		SL-13		SL-14		SL-15	
date	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation
01/01/09	29.94	1934.11	52.93	1932.55	76.35	1933.38	78.68	1932.95	85.24	1932.82																				
02/09/09																														
03/24/09	29.32	1934.73	53.94	1932.54	76.34	1933.39	78.72	1932.91	85.26	1932.80																				
04/26/09	28.76	1935.29	52.76	1932.72	76.27	1933.46	78.72	1932.91	85.26	1932.80																				
05/09/09	28.94	1935.11	52.76	1932.72	76.29	1933.44	78.74	1932.89	85.27	1932.79																				
06/27/09	29.33	1934.72	52.82	1932.66	76.34	1933.39	78.74	1932.89	85.27	1932.79																				
07/22/09	29.46	1934.59	52.87	1932.61	76.35	1933.38	78.74	1932.89	85.28	1932.78																				
08/21/09	29.58	1934.47	52.91	1932.57	76.37	1933.36	78.76	1932.87	85.29	1932.77																				
09/10/09	29.65	1934.40	52.92	1932.56	76.39	1933.34	78.78	1932.85	85.33	1932.73																				
10/29/09	29.78	1934.27	52.96	1932.52	76.42	1933.31	78.80	1932.83	85.35	1932.71																				
11/19/09	29.82	1934.23	52.86	1932.62	76.44	1933.29	78.84	1932.79	85.31	1932.75	79.39	1932.34	64.02	1932.07	56.00	1933.20	39.37	1933.14												
11/30/09	29.84	1934.21	52.98	1932.50	76.44	1933.29	78.83	1932.80	85.37	1932.69	79.38	1932.35	64.03	1932.06	56.01	1933.19	39.37	1933.14												
12/16/09	29.86	1934.19	52.99	1932.49	76.45	1933.28	78.84	1932.79	85.42	1932.64	79.37	1932.36	64.08'	1932.01	56.01	1933.19	39.38	1933.13												
01/14/10	29.90	1934.15	53.02	1932.46	76.47	1933.26	78.87	1932.76	85.43	1932.63	79.42	1932.31	64.04	1932.07	56.04	1933.16	39.39	1933.12												
03/20/10	29.63	1934.42	53.03	1932.45	76.50	1933.23	78.88	1932.75	85.44	1932.62	79.44	1932.29	64.09	1932.02	56.07	1933.13	39.42	1933.09												
04/15/10	27.64	1936.41	52.50	1932.98	76.49	1933.24	78.92	1932.71	85.40	1932.66	79.49	1932.24	64.13	1931.98	56.08	1933.12	39.41	1933.10												
05/31/10	28.43	1935.62	52.40	1933.08	76.45	1933.28	78.86	1932.77	85.22	1932.84	79.45	1932.28	64.16	1931.95	56.05	1933.15	39.36	1933.15												
06/12/10	28.07	1935.98	52.33	1933.15	76.44	1933.29	78.85	1932.78	85.21	1932.85	79.44	1932.29	64.13	1931.98	56.02	1933.18	39.34	1933.17												
07/15/10	28.22	1935.83	52.21	1933.27	76.41	1933.32	78.80	1932.83	85.13	1932.93	79.41	1932.32	64.15	1931.96	56.04	1933.16	39.32	1933.19												
08/20/10	28.51	1935.54	52.12	1933.36	76.36	1933.37	78.75	1932.88	85.09	1932.97	79.37	1932.36	63.86**	1931.94	56.01	1933.19	39.27	1933.24	66.47	1931.68	48.29	1931.51	37.90	1929.85	57.65	1932.06	55.68	1929.97	dry	


S-3
Steffen's
Dore
Demary
Landfill #102
Water Contours
Deopth to Water/elevation
PCE/Specific conductance
July 2010
ND ug/l
200 ft


Landfill #102
Water Contours
Deopth to Water/elevation
PCE/Specific conductance
July 2010
S-3
Steffen's
Dore
Demary
ND ug/l
809
SL-14
55.68
1929.97
SL-15
DRY
Almond's spring
SL-11
48.29
1931.51
ND ug/l
1127
ND ug/l
1441
37.90
1929.85
SL-12
1930.00
1930.50
1931.00
SL-10
66.47
1931.68
ND ug/l
865
1931.50
1932.00
SL-7
64.86
1931.94
26 ug/l
1487
SL-13
57.65
1932.06
ND ug/l
650
SL-6
79.37
1932.36
20 ug/l
1417
1932.50
SL-9
39.27
1933.24
9.0 ug/l
2058
SL-8
56.01
1933.19
19 ug/l
2325
SL-4
78.75
1932.88
21 ug/l
2156
SL-5
85.09
1932.97
1933.00
SL-3
76.36
1933.27
8.9 ug/l
2305
Deep cells
Lauridsen
1933.50
SL-2
52.12
1933.36
1934.00
1934.50
1935.00
SL-1
28.51
1935.54
1935.50
Hansen
Jim Sanders
Lamphier
S-5
Jesse Williams

Site	Timestamp	SC (uS/cm)	DO (mg/L)	pH	Temp (C)	Site
SL-9	7/24/2010 17:03	2062	0.57	6.79	10.1	SL-9
SL-9	7/24/2010 17:08	2058	0.49	6.77	10	SL-9
SL-9	7/24/2010 17:13	2051	0.44	6.77	10	SL-9
SL-9	7/24/2010 17:18	2053	0.47	6.78	9.7	SL-9
SL-9	7/24/2010 17:24	2049	0.44	6.78	9.6	SL-9
SL-9	7/24/2010 17:29	2047	0.42	6.8	9.6	SL-9
SL-7	7/24/2010 19:03	1485	0.98	6.89	9.6	SL-7
SL-7	7/24/2010 19:07	1486	0.97	6.86	9.4	SL-7
SL-7	7/24/2010 19:13	1486	0.87	6.87	9.5	SL-7
SL-7	7/24/2010 19:18	1486	0.98	6.94	9.3	SL-7
SL-7	7/24/2010 19:24	1484	1.04	6.89	9.3	SL-7
SL-7	7/24/2010 19:29	1484	0.93	6.9	9.3	SL-7
SL-8	7/24/2010 19:58	2322	3.43	6.85	11	SL-8
SL-8	7/24/2010 20:04	2337	3.64	6.81	10.4	SL-8
SL-8	7/24/2010 20:10	2334	3.42	6.81	10.4	SL-8
SL-8	7/24/2010 20:15	2337	3.38	6.8	10.3	SL-8
SL-8	7/24/2010 20:20	2338	3.33	6.8	10.2	SL-8
SL-8	7/24/2010 20:26	2339	3.33	6.81	10.1	SL-8
SL-6	7/25/2010 13:12	1411	0.95	7.31	9.4	SL-6
SL-6	7/25/2010 13:17	1416	0.87	7.28	9.4	SL-6
SL-6	7/25/2010 13:22	1413	0.87	7.26	9.3	SL-6
SL-6	7/25/2010 13:27	1414	0.87	7.25	9.3	SL-6
SL-4	7/25/2010 14:53	2154	4.03	7.1	9.6	SL-4
SL-4	7/25/2010 14:59	2161	3.94	7.07	9.6	SL-4
SL-4	7/25/2010 15:04	2165	4.04	7.08	9.5	SL-4
SL-4	7/25/2010 15:09	2168	4.02	7.09	9.5	SL-4
SL-3	7/25/2010 18:01	2304	0.21	6.76	10.9	SL-3
SL-3	7/25/2010 18:05	2307	0.2	6.76	10.9	SL-3
SL-3	7/25/2010 18:10	2310	0.19	6.77	10.9	SL-3
SL-3	7/25/2010 18:15	2308	0.19	6.77	10.9	SL-3
SL 10	7/27/2010 16:45	865	9.2	7.58	10.7	SL 10
SL 10	7/27/2010 16:50	865	9.12	7.59	10.6	SL 10
SL 11	7/27/2010 19:38	1128	6.02	7.59	10.9	SL 11
SL 11	7/27/2010 19:43	1125	5.26	7.58	10.8	SL 11
SL 11	7/27/2010 19:49	1127	5.52	7.59	10.8	SL 11
SL 12	7/28/2010 15:55	1543	0.78	7.5	10.9	SL 12
SL 12	7/28/2010 16:00	1494	0.34	7.56	10.3	SL 12
SL 12	7/28/2010 16:05	1458	0.2	7.59	10.2	SL 12
SL 12	7/28/2010 16:10	1447	0.14	7.59	10.1	SL 12
SL 12	7/28/2010 16:16	1441	0.1	7.61	10	SL 12
SL 13	7/28/2010 18:35	649	0.85	7.61	11	SL 13
SL 13	7/28/2010 18:40	650	1	7.61	10.8	SL 13
SL 13	7/28/2010 18:45	651	0.83	7.62	10.7	SL 13
SL 14	7/30/2010 12:20	814	5.8	7.62	10.2	SL 14
SL 14	7/30/2010 12:25	810	5.47	7.61	10.5	SL 14
SL 14	7/30/2010 12:30	810	5.73	7.62	10.2	SL 14
SL 14	7/30/2010 12:35	809	5.63	7.62	10.1	SL 14

GROUNDWATER SAMPLING LOG - **RICHLAND COUNTY LANDFILL NO. 102**

DATE/TIME July 25, 2010 **STATION** SL-4

WEATHER clr T=82°F **WIND** SE @ 10 **MPH**

CASING TYPE ______ **CASING DIAMETER** ______ **CASING STICKUP** ______

MEASURING PT. ______ **DEPTH TO WATER** 78.90 **TOTAL DEPTH** 92.5

WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = 6.8 GALLONS

COMMENTS ______

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1350	0			
1445	6.8	9.5	7.1	2156

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

______1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

______1 – 500 ML PLASTIC COMMON IONS NONE

______1 – 250 ML PLASTIC METALS FILTERED - HNO_3

______1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - **RICHLAND COUNTY LANDFILL NO. 102**

DATE/TIME 7-25, 2010 **STATION** SL-3

WEATHER clr; T=92°F **WIND** ______ @ ______ **MPH**

CASING TYPE ______ **CASING DIAMETER** ______ **CASING STICKUP** ______

MEASURING PT. ______ **DEPTH TO WATER** 76.41 **TOTAL DEPTH** 88.07

WELL EXCAVATION - DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = 5.8 GALLONS

COMMENTS ______

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1705	0			
1800	5.8	10.9	6.8	2305

SAMPLE [✓ NATURAL] [✓ DUPLICATE] X-CONTAM. TRIP BLANK BLIND

6 3 – 40 ML VOA VOC HCL

______1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

______1 – 500 ML PLASTIC COMMON IONS NONE

______1 – 250 ML PLASTIC METALS FILTERED - HNO_3

______1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME July 25, 2010 STATION SL-6

WEATHER clear, hot T = 80°F + WIND SE @ 7 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 79.41 TOTAL DEPTH 88.42

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 4.5 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1230	0			
1300	~~0~~ 4.5	9.4	7.3	1417

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA	VOC	HCL
____ 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
____ 1 – 500 ML PLASTIC	COMMON IONS	NONE
____ 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
____ 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 7-24, 2010 STATION SL-7

WEATHER scattered clds T = 80°F WIND ____ @ 0 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 64.45 TOTAL DEPTH 75.08

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 5.5 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1611	0			
~~1904~~	5.5	9.5	7.0	1487
1701				

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA	VOC	HCL
____ 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
____ 1 – 500 ML PLASTIC	COMMON IONS	NONE
____ 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
____ 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME July 24, 2010 STATION SL-8

WEATHER scattered clds T=75°F WIND SE @ 5 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER 56.04 TOTAL DEPTH 58.41

WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = 1.25 GALLONS

COMMENTS ______

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1547	0			
1600	0.75	Bailed	dry	
1744/1754	1.25	10.9	6.9	2325

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

______ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

______ 1 – 500 ML PLASTIC COMMON IONS NONE

______ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

______ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME July 24, 2010 STATION SL-9

WEATHER T=75°F, scattered clds WIND SE @ 5 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER 34.32 TOTAL DEPTH 45.12

WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = 3 GALLONS

COMMENTS ______

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1430	0			
1500	3	10.0	6.4	2058

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

______ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

______ 1 – 500 ML PLASTIC COMMON IONS NONE

______ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

______ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME July 27 , 2010 STATION SL-10

WEATHER mostly clr, T=80° WIND NW @ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 66.50 TOTAL DEPTH 70.0

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS Bailed by Tetra tech; OK'd to sample

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1640	-?	10.7	7.6	863
1645		10.7	7.6	865
1650		10.6	7.6	865
DO	9.15 mg/l			

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA	VOC	HCL
____ 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
____ 1 – 500 ML PLASTIC	COMMON IONS	NONE
____ 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
____ 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS N47.76881 ±7ft
W104.16951

Top of PVC 1998.15

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME July 27 , 2010 STATION SL-11

WEATHER mostly clear T~70° ± WIND WNW @ 7 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 48.39 TOTAL DEPTH 52.7

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS DO

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1816	0	48.38	to H_2O	
1930	12	10.8°C	7.6	1122
1935		10.9	7.6	1116
1940		10.8	7.6	1124
1945		10.8	7.6	1127

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA	VOC	HCL
____ 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
____ 1 – 500 ML PLASTIC	COMMON IONS	NONE
____ 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
____ 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS GPS N47.77032 ±7ft
W104.17291

TOP OF PVC 1979.80

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME July 28, 2010 STATION SL-12

WEATHER mostly clr. T = 75 WIND SSE @ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 38.37 TOTAL DEPTH 45

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS still turbid, bailing dry

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1135	0	1230 - 4 gal	1530/ 1538	6 gal;
1555	6 gal	10.9	7.5	1527
1600		10.3	7.6	1470
1605		10.2	7.6	1456
1615		10.0	7.6	1441

DO 0.17 mg/l

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS N 47.76974
104.17658

Top of PVC 1967.75

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME July 28, 2010 STATION SL-13

WEATHER p. cldy T = 85 WIND SW @ 15 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 57.65 TOTAL DEPTH 66.0

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS 1815 - Bailed 4 gallons, w Tetratech

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1835	3.8	11.0	7.6	649
1840		10.8	7.6	650
1845		10.7	7.6	650

DO: 0.86 mg/L ORP: mV

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS N 47.76691
104. 18142

Top of PVC 1989.71
casing 1989.95
g.s. 1987.67

57.6

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Jul 30 , 2010 STATION SL-14

WEATHER clr T=80° WIND NW @ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 55.72 TOTAL DEPTH 64

WELL EXCAVATION DISPOSABLE BAILER X OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1100	0			
1220	12	10.2	7.6	811
1225		10.5	7.6	810
1230		10.2	7.6	811
1235		10.1	7.6	809

SAMPLE [✓ NATURAL] [✓ DUPLICATE] X-CONTAM. TRIP BLANK BLIND

6 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS 47.77198 ±7ft
104.17388

Top of PVC 1985.65
casing 1985.86
g.s. 1983.64

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME July 30 , 2010 STATION SL-15

WEATHER clr. T=75° WIND NW @ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER — TOTAL DEPTH 51.7

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1040	51.7ft dry			

SAMPLE NATURAL DUPLICATE X-CONTAM. TRIP BLANK BLIND

____ 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS 47.77188 ±7ft
104.17098

Top of PVC 1974.32
casing 1974.59
g.s. 1972.36

SL-3

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1530	73.46	10.0	2063	2070	6.7	6.9	24	108	9.2	.005 U	15
06/23/93	1530	73.41	11.0	2070	1620	6.9	6.8	21	116	8.4	.005 U	10
01/05/94	0945	73.11	8.5	1800	1560	6.9	7.1	17	127	8.0	.005 U	16
05/11/94	1210	72.92	11.5		1944	7.1	7.0	24	136	6.8	.005 U	21 F
10/19/94	1115	72.57	10.0	1810	1417	7.1	7.1	16	134	6.4	.005 U	24
06/21/95	1125	75.66	10.5	2070	1980	7.0	6.8	18	116	5.27 F	.005 U	18 F
08/01/95	1600	75.60	12.5		2300		6.8					
12/20/95	0830	75.52	10.0	2170	1910	7.1	6.7	16	142	5.3		44 F
07/13/96	1725	75.54	13.0	2130	2450	7.2	6.8	25	259 F	6.5	.005 U	57
11/25/96	0915	75.57	4.0	2200	2600	7.1	7.1	24	162	4.6	.005 U	14
05/17/97	1430	75.42	12.0	2040	2400	7.0	6.9	20	162	5.7	.005 U	42
09/13/97	1100	75.18	12.0	2090	2400	7.0	7.4	24	166	4.2		21 F
05/30/98	1040	75.18	12.0	2360	2500	7.0	6.7	16	174	5.16		22
12/12/98	1125	75.33	11.0	2300	2200	6.9	6.6	30	159	4.81	.005 M	30
05/21/99	0955	75.27	10.5	2390	2800	7.0	6.6	18	176	2.37	.005 M	70
09/23/99	1030	75.25	12.0	2580	2800	6.9	6.7	5 U	182	1.89		48
05/26/00	1645	75.38	12.0	2560	3000	6.8	6.8	26	238	3.00	.005 M	33 F
11/17/00	1030		10.0	2580	3000	6.9		24	309	2.95		
04/27/01	1840	75.57	13.0	2700	3000	6.7	6.5	21	359	2.11	.005 U	29
10/27/01	1045	75.18	9.5	2930	3300	6.8		26	399	1.93		
04/26/02	1740	75.14	10.5	2920	3300	6.8	6.9	14	418	.59	.005 U	21
10/25/02	1645	75.35	10.0	3370	3700	7.0	6.2	12	497	.67		41
05/30/03	1620	75.53	13.0	3670	3950	6.6	6.9	17	582	1.56	.005 U	16
10/03/03	1045	75.63	12.0	3340	3650	6.6	6.4	16	640	1.43		12
06/05/04	1115	75.49	12.0	3370	4000	6.8	6.4	19	645	1.98	.005 U	48
12/02/04	1250	75.67	10.0	3410	3990	6.6	6.7	19	617	1.19		25
05/13/05	1320	75.71	11.0	3460	3850	6.9	6.8	21	602	0.96	.005 U	12
09/09/05	1520	75.78	11.5	3330	3440	7.3	7.4	20	578	0.89		15
04/22/06	1200	75.91	13.0	2830	3320	6.9	7.2	19	547	.82	.005 U	8
10/09/06	1210	75.95	11.0	3260	3130	6.8	7.6	20	516	.80		27
04/21/07	1030	76.02	10.5	3330	3170	6.8	6.5	22	529	.65	.005 U	15
10/12/07	1620	76.09	10.0	3230	3220	6.7	6.9	18	468	.35		10

SL-3 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/12/08	1703	76.18	10.5	2990	3000	6.7	6.6	17	447	.79	.005 U	18
09/19/08	1620	76.25	10.5	2840	2665	6.6	6.8	20	426	.52		9
05/08/09	1735	76.29	11.0	2810	2683	6.8	6.0	20	382	.81	0	17
12/02/09	1045	76.44	9.0	2510	2570	6.8	6.8	14	300	.58		15
04/17/10	1744	76.49	11.5	2500	2434	6.8	6.7	15	276	.48	.005 U	9
4/17DUP				2570		6.8		16	307	.50		9
07/25/10	1800	76.41	10.9		2305		6.8					

SL-3 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	3	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	3	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	2	1 J	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
05/30/98	20 B	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/17/00	20 U	20 U	1.0	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	3.5	1 U	1 U	1 U
04/27/01	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
10/27/01	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
04/26/02	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U
10/25/02	20 U	20 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	2.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	2.2	1 U	1 U	1 U
10/03/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1.9	1 U	1 U	1 U
06/0504	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.2	1 U	1 U	1 U
09/09/05	20 U	20 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/22/06	20 U	20 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
10/09/06	20 U	20 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
10/12/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U

SL-3 ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/17/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
4/17DUP	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
07/25/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
7/25/DUP	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1J	1 U	1 U	1 U	1 J	1.4	1 U	1 U	1 U

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	8	1	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	13	1 U	2 U	1 U	1	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	4	4	2 U	1 U	1 J	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	4	3	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	10	4	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	3	5	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	3.4	**9.4**	1 U	1 J	**5.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	3.6	**9.7**	1 U	1 U	**7.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	3.3	**8.0**	1 U	1 J	**6.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	2.5	**6.2**	1 U	1 U	**5.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	3.2	**5.0**	1 U	1 U	**5.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	2.9	**6.4**	1 U	1 U	**7.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	3.9	**5.7**	1 U	1 U	**7.6**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
06/0504	1 U	1 U	1 U	1 U	3.3	**4.8**	1 J	1 U	**7.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	4.6	**2.8**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	4.1	**4.4**	1 U	1 U	**5.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**4.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	3.4	**3.4**	1 U	1 U	**3.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	3.8	**3.7**	1 U	1 U	**4.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	2.6	**3.7**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	4.5	**3.2**	1 U	1 U	**3.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**3.7**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	**3.6**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	3.3	**3.1**	1 U	1 U	**2.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	3.1	**3.4**	1 U	1 U	**3.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**3.7**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	**3.6**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	3.3	**3.1**	1 U	1 U	**2.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	3.1	**3.4**	1 U	1 U	**3.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/17/10	1 U	1 U	1 U	1 U	2.6	**2.8**	1 U	1 U	**2.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
4/17DUP	1 U	1 U	1 U	1 U	2.6	**2.7**	1 U	1 U	**2.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
07/25/10	1 U	1 U	1 U	1 U	3.6	**3.5**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
7/25/DUP	1 U	1 U	1 U	1 U	4.8	**4.7**	1 U	1J	**3.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	15	1 U	1 U	2 U	3	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	32	1 U	1 U	1 U	3	1 U	1 U	1 U	1	3	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	31	1 U	1 U	1 U	3	1 U	3	1 U	1 U	3	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	15	1 U	1 U	1 U	3	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	8	1 U	1 U	1 U	2	1 U	2	1 U	1 U	2	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	14	1 U	1 U	1 U	2	1 J	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	13	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	25 X	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	26	1 U	1 U	1 U	3	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	48 X	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	32 B	1 U	1 U	1 U	2	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	28 B	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	23 B	1 U	1 U	1 U	3	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	9 B	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	40 B	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	59 B	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	2.4	1 U	1 U	1 U	4.6	1 U	2.1	1 U	1 J	1.7	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1.1	1 U	1 U	1 U	7.4	1 U	2.8	1 U	1.2	2.1	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1.1	1 U	1 U	1 U	7.0	1 U	2.6	1 U	1.1	2.2	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	6.6	1 U	2.0	1 U	1 J	1.4	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.2	1 U	1 U	1 U	5.8	1 U	2.1	1 U	1 J	1.5	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.6	1 U	1 U	1 U	8.5	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1.4	1 U	1 U	1 U	8.5	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
06/0504	20 U	20 U	1.2	1 U	1 U	1 U	6.2	1 U	1.9	1 U	1.2	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	4.0	1 U	1.2	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	7.4	1 U	1.7	1 U	1.4	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	7.8	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	5.8	1 U	1.5	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	7.4	1 U	1.4	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	8.5	1 U	1.5	1 U	1.2	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	8.4	1 U	1.7	1 U	1.4	1.0	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.7	1 U	1.2	1.0	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	6.2	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1.4	1 U	1.2	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	8.4	1 U	1.7	1 U	1.4	1.0	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.7	1 U	1.2	1.0	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	6.2	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1.4	1 U	1.2	1 J	1 U	1 U	1 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl Isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/17/10	20 U	20 U	1 J	1 U	1 U	1 U	6.4	1 U	1.2	1 U	1 J	1 J	1 U	1 U	1 U	1 U
4/17DUP	20 U	20 U	1 J	1 U	1 U	1 U	6.8	1 U	1.3	1 U	1.0	1 J	1 U	1 U	1 U	1 U
07/25/10	20 U	20 U	1 J	1 U	1 U	1 U	7.8	1 U	1.6	1 U	1.2	1 J	1 U	1 U	1 U	1 U
7/25/DUP	20 U	20 U	1 J	1 U	1 U	1 U	10	1 U	2.0	1 U	1.5	1.1	1 U	1 U	1 U	1 U

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
10/21/94	1330	77.29	10.0	1850	1407	7.1	7.2	57	189	12	.005 U	45
06/20/95	1615	76.96	9.5	2380	2170	7.0	7.0	66	246	5.09 F	.005 U	20 F
08/01/95	1500	76.91	11.0		2400		6.9					
12/20/95	1030	77.06	9.5	2450	2300	7.1	7.0	62	278	12		72 F
07/14/96	1500	77.33	11.0	2530	2700	6.9	6.8	75	489 F	16	.005 U	18
11/25/96	1220	77.49	6.0	2490	2800	7.0	6.9	84	268	12.6	.005 U	20
05/18/97	1030	77.47	9.5	2390	2800	6.9	7.3	78	277	13	.005 U	39
05/18/97 D				2160		7.0		78	270	13	.005 U	48
09/12/97	1650	77.40	10.5	2470	2800	6.9	7.0	81	262	9.7		17 F
05/30/98	1250	77.39	11.0	2500	2700	6.9	6.8	132	197	13.6		11
05/30/98 D				2430		7.0		134	207	13.6		13
12/12/98	1315	77.48	10.0	2490	2700	6.8	6.8	146	167	13.9	.005 M	32
05/21/99	1205	77.50	10.0	2490	2800	6.9	7.1	162	167	14	.005 M	61
09/23/99	1210	77.52	10.0	2550	2700	6.8	6.8	160	168	12.5		50
05/26/00	1840	77.60	10.0	2390	2800	6.9	6.8	212	197	12.0	.005 M	56 F
11/17/00	1200	77.72	9.0	2340	2900	7.2		200	188	12.0		
04/28/01	0845	77.75	10.5	2430	2800	6.9	7.5	220	192	10.8	.005 U	21
10/27/01	1155	77.52	9.5	2480	2800	6.9		221	197	10.4		
04/27/02	0950	77.42	10.0	2500	2800	7.0	6.5	167	211	11.4	.005 U	11
10/25/02	1810	77.54	8.5	2670	3000	7.2	6.1	146	226	11.7		21
05/30/03	1345	77.74	11.5	2720	3000	6.8	7.1	149	208	12.2	.005 U	20
10/03/03	1205	77.83	11.0	2440	3000	6.9	6.7	133	200	12.1		13
06/05/04	1000	77.78	12.0	2470	2800	6.9	6.4	181	181	12.4	.005 U	46
12/02/04	1435	77.83	9.5	2450	2800	6.7	6.8	172	186	11.4		19
05/13/05	1140	77.94	10.5	2470	2900	7.3	7.2	169	184	11.6	.005 U	15
09/09/05	1700	78.00	11.0	2400	2430	7.3	7.3	169	178	13.9		17
04/22/06	1740	78.13	13.0	2130	2445	7.1	7.5	167	1 U	13.5	.005 U	16
10/09/06	1640	78.22	10.5	2480	2430	7.0	7.4	176	162	19.1		17
04/21/07	1620	78.32	10.0	2490	2425	7.0	6.7	176	144	17.9	.005 U	16
10/12/07	1505	78.41	7.0	2480	2390	6.9	7.0	182	125	16.6		21
04/12/08	1817	78.51	10.0	2370	2383	7.0	6.9	199	119	17.7	.005 U	23
09/20/08	1020	78.59	11.0	2380	2365	6.9	6.0	222	105	14.1		18
9/20/DUP				2380		6.9		223	105	13.9		17
05/09/09	1200	78.74	10.5	2350	2314	7.1	6.2	270	94	13.9	.005 U	14
12/02/09	845	78.83	9.0	2260	2260	7.1	6.8	292	80	14.0		37

SL-4

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/17/10	1235	78.92	9.9	2300	2263	7.0	6.9	322	74	16.3	.005 U	19
07/25/10	1445	78.80	9.5		2156		7.1					

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
10/21/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
11/25/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
05/18/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/18/97 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/30/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
07/25/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-4 ORGANICS - TABLE ONE LIST

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
10/21/94	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	5	1 U	4	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	4	1 U	4	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/18/97	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/18/97 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	4	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98 D	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	3	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 M	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	1 U	1 J	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 J	1.1	1 U	1 U	1.7	1 U	2.1	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1.0	1 U	1 U	1.7	1 U	2.2	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 J	1 U	1 U	1.2	1 U	1.5	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.5	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.8	1 U	1.9	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.8	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.4	1 U	1.4	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.3	1 U	1.4	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.2	1 U	1.6	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.4	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.2	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.1	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1.1	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
9/20/DUP	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/09/09	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/17/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
07/25/10	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
10/21/94	20 J	10 J	5 U	1 U	1 U	1 U	13	1 J	1	1 U	1 J	2	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 J	1 U	1 U	1 U	26	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 X	1 U	1 U	1 U	30	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 X	1 U	1 U	1 U	33	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	5 U	1 U	1 U	1 U	31	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
11/25/96 D	20 U	20 U	5 U	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/18/97	20 U	20 U	5 X	1 U	1 U	1 U	29	1 U	2	1 U	1	3	1 U	10 U	1 U	1 U
05/18/97 D	20 U	20 U	5 X	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 B	1 U	1 U	1 U	34	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 B	1 U	1 U	1 U	39	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
05/30/98 D	20 U	20 U	5 B	1 U	1 U	1 U	38	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	36	1 U	2	1 U	1	2	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 B	1 U	1 U	1 U	27	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 B	1 U	1 U	1 U	34	1 U	1 U	1 U	1	1	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	5 B	1 U	1 U	1 U	30	1 U	1	1 U	1 J	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1.1	1 U	1 U	1 U	32	1 U	1.2	1 U	1.1	1 J	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 J	1 U	1 U	1 U	34	1 U	1.3	1 U	1.2	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 J	1 U	1 U	1 U	28	1 U	1.1	1 U	1.0	1 J	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.1	1 U	1 U	1 U	31	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.0	1 U	1 U	1 U	32	1 U	1 J	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	23	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	33	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	25	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	20	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	28	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	22	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	23	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
07/25/10	20 U	20 U	1 U	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-4 ORGANICS - TABLE ONE LIST

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/02/09	1315	79.38	9.0	1460	1490	7.4	7.1	166	45	7.1	.005 U	15
04/18/10	0948	79.49	9.5	1530	1491	7.2	7.1	163	48	8.9	.005 U	13
07/25/10	1300	79.41	9.4		1417		7.3					

SL-6

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/02/09	20 U	20 U	3.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/18/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
07/25/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1J	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-6

ORGANICS - TABLE ONE LIST

SL-6 RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/02/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/18/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
07/25/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-6 ORGANICS - TABLE ONE LIST

SL-6

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	12	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U
04/18/10	20 U	20 U	1 U	1 U	1 U	1 U	17	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
07/25/10	20 U	20 U	1 U	1 U	1 U	1 U	20	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-6 ORGANICS - TABLE ONE LIST

SL-7 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/01/09	1541	64.03	8.0	1600	1610	7.0	6.6	154	14	8.2	.005 U	23
04/17/10	1058	64.13	9.4	1560	1504	6.9	6.9	164	12	9.2	.005 U	12
07/24/10	1701	64.15	9.5		1487		7.0					

SL-7 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
07/24/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1J	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-7 ORGANICS - TABLE ONE LIST

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/17/10	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
07/24/10	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-7 RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	23	1 U	2.8	1 U	1 J	1.2	1 U	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	25	1 U	2.7	1 U	1 J	1.3	1 U	1 U	1 U	1 U
07/24/10	20 U	20 U	1 U	1 U	1 U	1 U	26	1 U	2.8	1 U	1 J	1.2	1 U	1 U	1 U	1 U

SL-7 ORGANICS - TABLE ONE LIST

SL-8 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/01/09	1413	56.01	9.5	1850	1875	7.0	6.5	281	13	3.08	.005 U	30
04/17/10	1630	56.08	10.5	2270	2205	6.9	6.8	468	19	5.15	.005 U	20
07/24/10	1754	56.04	10.9		2325		6.9					

SL-8 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-8

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/17/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
07/24/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U

SL-8

ORGANICS - TABLE ONE LIST

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/17/10	1 U	1 U	1 U	1 U	1 J	1.4	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
07/24/10	1 U	1 U	1 U	1 U	1 J	2.1	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1.1	1 U	1 U	1 U	14	1 U	1.6	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/17/10	20 U	20 U	2.1	1 U	1 U	1 U	16	1 U	1.4	1 U	1 J	1 J	1 U	1 U	1 U	1 U
07/24/10	20 U	20 U	2.7	1 U	1 U	1 U	19	1 U	1.9	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-9 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/01/09	0943	39.37	7.5	2170	2180	6.9	6.4	96	196	3.48	.005 U	12
12/01/DUP				2180		6.9		96	196	3.73		18
04/16/10	1453	39.41	9.8	2220	2090	6.9	6.8	104	189	4.74	.005 U	9
07/24/10	1500	39.32	10.0		2058		6.9					

SL-9 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-9

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/01/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
07/24/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1J	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 U

SL-9 ORGANICS - TABLE ONE LIST

SL-9 RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1.6	3.7	1 U	1 U	2.3	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/01/DUP	1 U	1 U	1 U	1 U	1.4	3.8	1 U	1 U	2.2	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/16/10	1 U	1 U	1 U	1 U	1.3	3.6	1 U	1 U	1.9	1 U	1 J	1 U	1 U	1 U	20 U	1 U
07/24/10	1 U	1 U	1 U	1 U	1.7	4.0	1 U	1 U	2.1	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-9 ORGANICS - TABLE ONE LIST

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	10	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/01/DUP	20 U	20 U	1 U	1 U	1 U	1 U	9.3	1 U	1.4	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	8.6	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
07/24/10	20 U	20 U	1 U	1 U	1 U	1 U	9.0	1 U	1.4	1 U	1 J	1 J	1 U	1 U	1 U	1 U

	SAMPLE DATE	Sample Time	water level (ft)	water temp	field ph	field C umhos/cm
SL-10	07/02/10	1650	66.50	10.6	7.6	865
SL-11	07/27/10	1945	48.39	10.8	7.6	1127
SL-12	06/03/08	1615	38.37	10.0	7.6	1441
SL-13	07/28/10	1845	57.65	10.7	7.6	650
SL-14	07/30/10	1235	55.72	10.1	7.6	809

SL-10 to SL-14

	SAMPLE DATE	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	C T ch	Toluen	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Viny acet	Vinyl chloride	Xylenes
SL-10	07/02/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
SL-11	07/27/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
SL-12	06/03/08	20 J	20 U	1 J	1 U	1 U	1 U	1 U	1 U		1 J	1 U	1 U	1 U	1 U	1 U	1	1 U	1 J
SL-13	07/28/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 J		1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
SL-14	07/30/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
	7/30DUP	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U		1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U

SL-10 to SL-14

	SAMPLE DATE	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	T-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	T-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	T-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Iodo methane	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluen	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Viny acet	Vinyl chloride	Xylenes
SL-10	07/02/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
SL-11	07/27/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
SL-12	06/03/08	20 J	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	20 J	20 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1	1 U	1 J
SL-13	07/28/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
SL-14	07/30/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U
	7/30DUP	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1	1 U	1 U

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/05/10
Project:	Landfill #102	**Collection Date:**	07/25/10 18:00
Lab ID:	B10072483-001	**DateReceived:**	07/27/10
Client Sample ID:	SL-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/29/10 14:20 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	07/29/10 14:20 / jrj
Benzene	0.54	ug/L	J	1.0		SW8260B	07/29/10 14:20 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Chloroethane	0.33	ug/L	J	1.0		SW8260B	07/29/10 14:20 / jrj
Chloroform	1.1	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Dichlorodifluoromethane	3.6	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,1-Dichloroethane	3.5	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
cis-1,2-Dichloroethene	2.9	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,2-Dichloropropane	0.54	ug/L	J	1.0		SW8260B	07/29/10 14:20 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	07/29/10 14:20 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/29/10 14:20 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/29/10 14:20 / jrj
Methylene chloride	0.22	ug/L	JT	1.0		SW8260B	07/29/10 14:20 / jrj
Styrene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Tetrachloroethene	7.8	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Toluene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,1,1-Trichloroethane	1.6	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Trichloroethene	1.2	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Trichlorofluoromethane	0.91	ug/L	J	1.0		SW8260B	07/29/10 14:20 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
T - The analyte was detected in the associated trip blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/05/10
Project:	Landfill #102	**Collection Date:**	07/25/10 18:00
Lab ID:	B10072483-001	**DateReceived:**	07/27/10
Client Sample ID:	SL-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/29/10 14:20 / jrj
Surr: 1,2-Dichloroethane-d4	102	%REC		70-130		SW8260B	07/29/10 14:20 / jrj
Surr: Dibromofluoromethane	107	%REC		77-126		SW8260B	07/29/10 14:20 / jrj
Surr: p-Bromofluorobenzene	106	%REC		76-127		SW8260B	07/29/10 14:20 / jrj
Surr: Toluene-d8	103	%REC		79-122		SW8260B	07/29/10 14:20 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10072483-002
Client Sample ID: SL-4

Report Date: 08/05/10
Collection Date: 07/25/10 14:45
DateReceived: 07/27/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/29/10 13:52 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	07/29/10 13:52 / jrj
Benzene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Chloroform	0.70	ug/L	J	1.0		SW8260B	07/29/10 13:52 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Dichlorodifluoromethane	0.35	ug/L	J	1.0		SW8260B	07/29/10 13:52 / jrj
1,1-Dichloroethane	0.22	ug/L	J	1.0		SW8260B	07/29/10 13:52 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
cis-1,2-Dichloroethene	0.32	ug/L	J	1.0		SW8260B	07/29/10 13:52 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
1,2-Dichloropropane	0.54	ug/L	J	1.0		SW8260B	07/29/10 13:52 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	07/29/10 13:52 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/29/10 13:52 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/29/10 13:52 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Styrene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Tetrachloroethene	21	ug/L		2.0		SW8260B	07/29/10 16:15 / jrj
Toluene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
1,1,1-Trichloroethane	0.25	ug/L	J	1.0		SW8260B	07/29/10 13:52 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Trichloroethene	0.51	ug/L	J	1.0		SW8260B	07/29/10 13:52 / jrj
Trichlorofluoromethane	0.33	ug/L	J	1.0		SW8260B	07/29/10 13:52 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10072483-002
Client Sample ID: SL-4

Report Date: 08/05/10
Collection Date: 07/25/10 14:45
DateReceived: 07/27/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/29/10 13:52 / jrj
Surr: 1,2-Dichloroethane-d4	101	%REC		70-130		SW8260B	07/29/10 13:52 / jrj
Surr: Dibromofluoromethane	105	%REC		77-126		SW8260B	07/29/10 13:52 / jrj
Surr: p-Bromofluorobenzene	105	%REC		76-127		SW8260B	07/29/10 13:52 / jrj
Surr: Toluene-d8	102	%REC		79-122		SW8260B	07/29/10 13:52 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10072483-003
Client Sample ID: SL-6

Report Date: 08/05/10
Collection Date: 07/25/10 13:00
DateReceived: 07/27/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/29/10 13:23 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	07/29/10 13:23 / jrj
Benzene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Carbon disulfide	0.20	ug/L	JT	1.0		SW8260B	07/29/10 13:23 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Chloroform	0.44	ug/L	J	1.0		SW8260B	07/29/10 13:23 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Dichlorodifluoromethane	0.43	ug/L	J	1.0		SW8260B	07/29/10 13:23 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
cis-1,2-Dichloroethene	0.38	ug/L	J	1.0		SW8260B	07/29/10 13:23 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	07/29/10 13:23 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/29/10 13:23 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/29/10 13:23 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Styrene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Tetrachloroethene	20	ug/L		2.0		SW8260B	07/29/10 15:46 / jrj
Toluene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
1,1,1-Trichloroethane	0.28	ug/L	J	1.0		SW8260B	07/29/10 13:23 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Trichloroethene	0.47	ug/L	J	1.0		SW8260B	07/29/10 13:23 / jrj
Trichlorofluoromethane	0.26	ug/L	J	1.0		SW8260B	07/29/10 13:23 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
T - The analyte was detected in the associated trip blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/05/10
Project:	Landfill #102	**Collection Date:**	07/25/10 13:00
Lab ID:	B10072483-003	**DateReceived:**	07/27/10
Client Sample ID:	SL-6	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/29/10 13:23 / jrj
Surr: 1,2-Dichloroethane-d4	103	%REC		70-130		SW8260B	07/29/10 13:23 / jrj
Surr: Dibromofluoromethane	107	%REC		77-126		SW8260B	07/29/10 13:23 / jrj
Surr: p-Bromofluorobenzene	107	%REC		76-127		SW8260B	07/29/10 13:23 / jrj
Surr: Toluene-d8	102	%REC		79-122		SW8260B	07/29/10 13:23 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10072483-004
Client Sample ID: SL-7

Report Date: 08/05/10
Collection Date: 07/24/10 17:01
DateReceived: 07/27/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/29/10 12:54 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	07/29/10 12:54 / jrj
Benzene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Carbon disulfide	0.23	ug/L	JT	1.0		SW8260B	07/29/10 12:54 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Chloroform	0.37	ug/L	J	1.0		SW8260B	07/29/10 12:54 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Dichlorodifluoromethane	0.43	ug/L	J	1.0		SW8260B	07/29/10 12:54 / jrj
1,1-Dichloroethane	0.65	ug/L	J	1.0		SW8260B	07/29/10 12:54 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
cis-1,2-Dichloroethene	0.28	ug/L	J	1.0		SW8260B	07/29/10 12:54 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	07/29/10 12:54 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/29/10 12:54 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/29/10 12:54 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Styrene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Tetrachloroethene	26	ug/L		2.0		SW8260B	07/29/10 14:49 / jrj
Toluene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
1,1,1-Trichloroethane	2.8	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Trichloroethene	0.69	ug/L	J	1.0		SW8260B	07/29/10 12:54 / jrj
Trichlorofluoromethane	1.2	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
T - The analyte was detected in the associated trip blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/05/10
Project:	Landfill #102	**Collection Date:**	07/24/10 17:01
Lab ID:	B10072483-004	**DateReceived:**	07/27/10
Client Sample ID:	SL-7	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/29/10 12:54 / jrj
Surr: 1,2-Dichloroethane-d4	100	%REC		70-130		SW8260B	07/29/10 12:54 / jrj
Surr: Dibromofluoromethane	106	%REC		77-126		SW8260B	07/29/10 12:54 / jrj
Surr: p-Bromofluorobenzene	104	%REC		76-127		SW8260B	07/29/10 12:54 / jrj
Surr: Toluene-d8	102	%REC		79-122		SW8260B	07/29/10 12:54 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/05/10
Project:	Landfill #102	**Collection Date:**	07/24/10 17:54
Lab ID:	B10072483-005	**DateReceived:**	07/27/10
Client Sample ID:	SL-8	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/29/10 12:25 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	07/29/10 12:25 / jrj
Benzene	0.39	ug/L	J	1.0		SW8260B	07/29/10 12:25 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Chloroethane	0.43	ug/L	J	1.0		SW8260B	07/29/10 12:25 / jrj
Chloroform	0.78	ug/L	J	1.0		SW8260B	07/29/10 12:25 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Dichlorodifluoromethane	0.33	ug/L	J	1.0		SW8260B	07/29/10 12:25 / jrj
1,1-Dichloroethane	2.1	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
cis-1,2-Dichloroethene	0.87	ug/L	J	1.0		SW8260B	07/29/10 12:25 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	07/29/10 12:25 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/29/10 12:25 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/29/10 12:25 / jrj
Methylene chloride	2.7	ug/L	T	1.0		SW8260B	07/29/10 12:25 / jrj
Styrene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Tetrachloroethene	19	ug/L		2.0		SW8260B	07/29/10 15:18 / jrj
Toluene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
1,1,1-Trichloroethane	1.9	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Trichloroethene	0.76	ug/L	J	1.0		SW8260B	07/29/10 12:25 / jrj
Trichlorofluoromethane	0.52	ug/L	J	1.0		SW8260B	07/29/10 12:25 / jrj

Report Definitions:		
	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.
	T - The analyte was detected in the associated trip blank.	J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/05/10
Project:	Landfill #102	**Collection Date:**	07/24/10 17:54
Lab ID:	B10072483-005	**DateReceived:**	07/27/10
Client Sample ID:	SL-8	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/29/10 12:25 / jrj
Surr: 1,2-Dichloroethane-d4	104	%REC		70-130		SW8260B	07/29/10 12:25 / jrj
Surr: Dibromofluoromethane	108	%REC		77-126		SW8260B	07/29/10 12:25 / jrj
Surr: p-Bromofluorobenzene	107	%REC		76-127		SW8260B	07/29/10 12:25 / jrj
Surr: Toluene-d8	101	%REC		79-122		SW8260B	07/29/10 12:25 / jrj

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10072483-006
Client Sample ID: SL-9

Report Date: 08/05/10
Collection Date: 07/24/10 15:00
DateReceived: 07/27/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/29/10 11:57 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	07/29/10 11:57 / jrj
Benzene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Carbon disulfide	0.22	ug/L	JT	1.0		SW8260B	07/29/10 11:57 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Chloroethane	0.27	ug/L	J	1.0		SW8260B	07/29/10 11:57 / jrj
Chloroform	1.0	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Dichlorodifluoromethane	1.7	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,1-Dichloroethane	4.0	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
cis-1,2-Dichloroethene	2.1	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,2-Dichloropropane	0.40	ug/L	J	1.0		SW8260B	07/29/10 11:57 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	07/29/10 11:57 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/29/10 11:57 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/29/10 11:57 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Styrene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Tetrachloroethene	9.0	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Toluene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,1,1-Trichloroethane	1.4	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Trichloroethene	0.90	ug/L	J	1.0		SW8260B	07/29/10 11:57 / jrj
Trichlorofluoromethane	0.56	ug/L	J	1.0		SW8260B	07/29/10 11:57 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
T - The analyte was detected in the associated trip blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/05/10
Project:	Landfill #102	**Collection Date:**	07/24/10 15:00
Lab ID:	B10072483-006	**DateReceived:**	07/27/10
Client Sample ID:	SL-9	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/29/10 11:57 / jrj
Surr: 1,2-Dichloroethane-d4	102	%REC		70-130		SW8260B	07/29/10 11:57 / jrj
Surr: Dibromofluoromethane	107	%REC		77-126		SW8260B	07/29/10 11:57 / jrj
Surr: p-Bromofluorobenzene	108	%REC		76-127		SW8260B	07/29/10 11:57 / jrj
Surr: Toluene-d8	103	%REC		79-122		SW8260B	07/29/10 11:57 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10072483-007
Client Sample ID: DUP

SL-3 Dup

Report Date: 08/05/10
Collection Date: 07/25/10
DateReceived: 07/27/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/29/10 11:28 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	07/29/10 11:28 / jrj
Benzene	0.69	ug/L	J	1.0		SW8260B	07/29/10 11:28 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Carbon disulfide	0.40	ug/L	JT	1.0		SW8260B	07/29/10 11:28 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Chloroethane	0.51	ug/L	J	1.0		SW8260B	07/29/10 11:28 / jrj
Chloroform	1.4	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Dichlorodifluoromethane	4.8	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,1-Dichloroethane	4.7	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,1-Dichloroethene	0.14	ug/L	J	1.0		SW8260B	07/29/10 11:28 / jrj
cis-1,2-Dichloroethene	3.8	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,2-Dichloropropane	0.73	ug/L	J	1.0		SW8260B	07/29/10 11:28 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	07/29/10 11:28 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/29/10 11:28 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/29/10 11:28 / jrj
Methylene chloride	0.30	ug/L	JT	1.0		SW8260B	07/29/10 11:28 / jrj
Styrene	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Tetrachloroethene	10	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Toluene	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,1,1-Trichloroethane	2.0	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Trichloroethene	1.5	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Trichlorofluoromethane	1.1	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
T - The analyte was detected in the associated trip blank.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/05/10
Project:	Landfill #102	**Collection Date:**	07/25/10
Lab ID:	B10072483-007	**DateReceived:**	07/27/10
Client Sample ID:	DUP	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/29/10 11:28 / jrj
Surr: 1,2-Dichloroethane-d4	104	%REC		70-130		SW8260B	07/29/10 11:28 / jrj
Surr: Dibromofluoromethane	108	%REC		77-126		SW8260B	07/29/10 11:28 / jrj
Surr: p-Bromofluorobenzene	104	%REC		76-127		SW8260B	07/29/10 11:28 / jrj
Surr: Toluene-d8	101	%REC		79-122		SW8260B	07/29/10 11:28 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10072483-008
Client Sample ID: Trip Blank Lot #070810, B-GC SHO 250

Report Date: 08/05/10
Collection Date: 07/24/10 15:00
DateReceived: 07/27/10
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/29/10 10:59 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	07/29/10 10:59 / jrj
Benzene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Carbon disulfide	0.38	ug/L	J	1.0		SW8260B	07/29/10 10:59 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	07/29/10 10:59 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/29/10 10:59 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	07/29/10 10:59 / jrj
Methylene chloride	0.24	ug/L	J	1.0		SW8260B	07/29/10 10:59 / jrj
Styrene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Toluene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10072483-008
Client Sample ID: Trip Blank Lot #070810, B-GC SHO 250

Report Date: 08/05/10
Collection Date: 07/24/10 15:00
DateReceived: 07/27/10
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/29/10 10:59 / jrj
Surr: 1,2-Dichloroethane-d4	100	%REC		70-130		SW8260B	07/29/10 10:59 / jrj
Surr: Dibromofluoromethane	105	%REC		77-126		SW8260B	07/29/10 10:59 / jrj
Surr: p-Bromofluorobenzene	104	%REC		76-127		SW8260B	07/29/10 10:59 / jrj
Surr: Toluene-d8	98.0	%REC		79-122		SW8260B	07/29/10 10:59 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 08/05/10
Work Order: B10072483

Method: **SW8260B** Batch: R151480

Sample ID: **lcs072910** Laboratory Control Sample Run: SV5972.I_100729A 07/29/10 10:01

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	49.2	ug/L	20	98	62	130			
Acrylonitrile	59.2	ug/L	20	118	60	130			
Benzene	5.32	ug/L	1.0	106	71	133			
Bromochloromethane	4.84	ug/L	1.0	97	68	131			
Bromodichloromethane	4.84	ug/L	1.0	97	67	138			
Bromoform	5.04	ug/L	1.0	101	64	136			
Bromomethane	6.16	ug/L	1.0	123	60	138			
Carbon disulfide	5.92	ug/L	1.0	118	46	145			
Carbon tetrachloride	5.16	ug/L	1.0	103	61	144			
Chlorobenzene	4.72	ug/L	1.0	94	78	136			
Chlorodibromomethane	4.84	ug/L	1.0	97	72	136			
Chloroethane	5.84	ug/L	1.0	117	64	136			
Chloroform	5.08	ug/L	1.0	102	69	133			
Chloromethane	6.32	ug/L	1.0	126	63	149			
1,2-Dibromo-3-chloropropane	4.44	ug/L	1.0	89	63	125			
1,2-Dibromoethane	4.64	ug/L	1.0	93	75	131			
Dibromomethane	4.80	ug/L	1.0	96	72	133			
1,2-Dichlorobenzene	4.92	ug/L	1.0	98	78	129			
1,4-Dichlorobenzene	4.88	ug/L	1.0	98	78	131			
trans-1,4-Dichloro-2-butene	5.84	ug/L	1.0	117	50	142			
Dichlorodifluoromethane	6.08	ug/L	1.0	122	55	141			
1,1-Dichloroethane	5.20	ug/L	1.0	104	72	130			
1,2-Dichloroethane	5.04	ug/L	1.0	101	57	146			
1,1-Dichloroethene	5.44	ug/L	1.0	109	66	142			
cis-1,2-Dichloroethene	4.92	ug/L	1.0	98	74	133			
trans-1,2-Dichloroethene	5.12	ug/L	1.0	102	76	138			
1,2-Dichloropropane	5.04	ug/L	1.0	101	72	135			
cis-1,3-Dichloropropene	5.08	ug/L	1.0	102	75	132			
trans-1,3-Dichloropropene	5.48	ug/L	1.0	110	77	145			
Ethylbenzene	4.88	ug/L	1.0	98	78	131			
2-Hexanone	51.2	ug/L	20	102	72	131			
Iodomethane	6.28	ug/L	1.0	126	66	132			
Methyl ethyl ketone	53.2	ug/L	20	106	55	145			
Methyl isobutyl ketone	50.8	ug/L	20	102	73	129			
Methylene chloride	4.84	ug/L	1.0	97	73	126			
Styrene	4.80	ug/L	1.0	96	76	134			
1,1,1,2-Tetrachloroethane	4.80	ug/L	1.0	96	75	135			
1,1,2,2-Tetrachloroethane	5.16	ug/L	1.0	103	72	132			
Tetrachloroethene	4.76	ug/L	1.0	95	78	137			
Toluene	4.64	ug/L	1.0	93	78	134			
1,1,1-Trichloroethane	5.04	ug/L	1.0	101	64	141			
1,1,2-Trichloroethane	4.76	ug/L	1.0	95	72	133			
Trichloroethene	4.84	ug/L	1.0	97	75	138			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 08/05/10
Project: Landfill #102 **Work Order:** B10072483

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R151480
Sample ID: lcs072910	Laboratory Control Sample				Run: SV5972.I_100729A				07/29/10 10:01
Trichlorofluoromethane	5.56	ug/L	1.0	111	58	139			
1,2,3-Trichloropropane	4.48	ug/L	1.0	90	67	133			
Vinyl acetate	5.28	ug/L	1.0	106	31	124			
Vinyl chloride	5.60	ug/L	1.0	112	66	140			
m+p-Xylenes	9.76	ug/L	1.0	98	78	133			
o-Xylene	4.88	ug/L	1.0	98	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	102	70	130			
Surr: Dibromofluoromethane			1.0	105	77	126			
Surr: p-Bromofluorobenzene			1.0	107	76	127			
Surr: Toluene-d8			1.0	100	79	122			
Sample ID: blk072910	Method Blank				Run: SV5972.I_100729A				07/29/10 10:30
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 08/05/10
Project: Landfill #102 **Work Order:** B10072483

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R151480	
Sample ID: blk072910	Method Blank				Run: SV5972.I_100729A			07/29/10 10:30	
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	102	70	130			
Surr: Dibromofluoromethane			1.0	108	77	126			
Surr: p-Bromofluorobenzene			1.0	104	76	127			
Surr: Toluene-d8			1.0	102	79	122			
Sample ID: b10072483-006ams	Sample Matrix Spike				Run: SV5972.I_100729A			07/29/10 16:43	
Acetone	51.6	ug/L	20	103	62	130			
Acrylonitrile	54.4	ug/L	20	109	60	130			
Benzene	5.20	ug/L	1.0	104	71	133			
Bromochloromethane	5.16	ug/L	1.0	103	68	131			
Bromodichloromethane	5.12	ug/L	1.0	102	67	138			
Bromoform	5.28	ug/L	1.0	106	64	136			
Bromomethane	5.68	ug/L	1.0	114	60	138			
Carbon disulfide	4.80	ug/L	1.0	92	46	145			
Carbon tetrachloride	5.20	ug/L	1.0	104	61	144			
Chlorobenzene	5.04	ug/L	1.0	101	78	136			
Chlorodibromomethane	5.32	ug/L	1.0	106	72	136			
Chloroethane	5.68	ug/L	1.0	108	64	136			
Chloroform	6.16	ug/L	1.0	103	69	133			
Chloromethane	5.88	ug/L	1.0	118	63	149			
1,2-Dibromo-3-chloropropane	5.12	ug/L	1.0	102	63	125			
1,2-Dibromoethane	5.20	ug/L	1.0	104	75	131			
Dibromomethane	5.28	ug/L	1.0	106	72	133			
1,2-Dichlorobenzene	5.12	ug/L	1.0	102	78	129			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 08/05/10
Work Order: B10072483

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R151480	
Sample ID: b10072483-006ams	Sample Matrix Spike				Run: SV5972.I_100729A			07/29/10 16:43	
1,4-Dichlorobenzene	5.00	ug/L	1.0	100	78	131			
trans-1,4-Dichloro-2-butene	5.24	ug/L	1.0	105	50	142			
Dichlorodifluoromethane	7.48	ug/L	1.0	117	55	141			
1,1-Dichloroethane	8.88	ug/L	1.0	98	72	130			
1,2-Dichloroethane	5.44	ug/L	1.0	109	57	146			
1,1-Dichloroethene	5.36	ug/L	1.0	107	66	142			
cis-1,2-Dichloroethene	7.20	ug/L	1.0	103	74	133			
trans-1,2-Dichloroethene	5.16	ug/L	1.0	103	76	138			
1,2-Dichloropropane	5.60	ug/L	1.0	104	72	135			
cis-1,3-Dichloropropene	5.28	ug/L	1.0	106	75	132			
trans-1,3-Dichloropropene	5.68	ug/L	1.0	114	77	145			
Ethylbenzene	5.08	ug/L	1.0	102	78	131			
2-Hexanone	52.8	ug/L	20	106	72	131			
Iodomethane	5.76	ug/L	1.0	115	66	132			
Methyl ethyl ketone	52.4	ug/L	20	105	55	145			
Methyl isobutyl ketone	52.4	ug/L	20	105	73	129			
Methylene chloride	4.80	ug/L	1.0	96	73	126			
Styrene	4.28	ug/L	1.0	86	76	134			
1,1,1,2-Tetrachloroethane	5.04	ug/L	1.0	101	75	135			
1,1,2,2-Tetrachloroethane	5.52	ug/L	1.0	110	72	132			
Tetrachloroethene	14.1	ug/L	1.0	102	78	137			
Toluene	5.08	ug/L	1.0	102	78	134			
1,1,1-Trichloroethane	6.52	ug/L	1.0	103	64	141			
1,1,2-Trichloroethane	5.12	ug/L	1.0	102	72	133			
Trichloroethene	5.88	ug/L	1.0	100	75	138			
Trichlorofluoromethane	5.92	ug/L	1.0	107	58	139			
1,2,3-Trichloropropane	4.92	ug/L	1.0	98	67	133			
Vinyl acetate	4.84	ug/L	1.0	97	31	124			
Vinyl chloride	5.16	ug/L	1.0	103	66	140			
m+p-Xylenes	9.68	ug/L	1.0	97	78	133			
o-Xylene	5.04	ug/L	1.0	101	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	103	70	130			
Surr: Dibromofluoromethane			1.0	108	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	102	79	122			
Sample ID: b10072483-006amsd	Sample Matrix Spike Duplicate				Run: SV5972.I_100729A			07/29/10 17:12	
Acetone	51.6	ug/L	20	103	62	130	0	20	
Acrylonitrile	55.6	ug/L	20	111	60	130	2.2	20	
Benzene	5.04	ug/L	1.0	101	71	133	3.1	20	
Bromochloromethane	5.12	ug/L	1.0	102	68	131	0.8	20	
Bromodichloromethane	5.00	ug/L	1.0	100	67	138	2.4	20	
Bromoform	5.24	ug/L	1.0	105	64	136	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 08/05/10
Work Order: B10072483

Method: **SW8260B** Batch: R151480

Sample ID: **b10072483-006amsd** Sample Matrix Spike Duplicate Run: SV5972.I_100729A 07/29/10 17:12

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Bromomethane	6.88	ug/L	1.0	138	60	138	19	20	
Carbon disulfide	4.80	ug/L	1.0	92	46	145	0	20	
Carbon tetrachloride	5.00	ug/L	1.0	100	61	144	3.9	20	
Chlorobenzene	4.88	ug/L	1.0	98	78	136	3.2	20	
Chlorodibromomethane	5.16	ug/L	1.0	103	72	136	3.1	20	
Chloroethane	5.80	ug/L	1.0	111	64	136	2.1	20	
Chloroform	6.00	ug/L	1.0	100	69	133	2.6	20	
Chloromethane	6.28	ug/L	1.0	126	63	149	6.6	20	
1,2-Dibromo-3-chloropropane	5.48	ug/L	1.0	110	63	125	6.8	20	
1,2-Dibromoethane	5.12	ug/L	1.0	102	75	131	1.6	20	
Dibromomethane	5.12	ug/L	1.0	102	72	133	3.1	20	
1,2-Dichlorobenzene	4.92	ug/L	1.0	98	78	129	4	20	
1,4-Dichlorobenzene	4.96	ug/L	1.0	99	78	131	0.8	20	
trans-1,4-Dichloro-2-butene	5.48	ug/L	1.0	110	50	142	4.5	20	
Dichlorodifluoromethane	7.36	ug/L	1.0	114	55	141	1.6	20	
1,1-Dichloroethane	8.88	ug/L	1.0	98	72	130	0	20	
1,2-Dichloroethane	5.24	ug/L	1.0	105	57	146	3.7	20	
1,1-Dichloroethene	5.20	ug/L	1.0	104	66	142	3	20	
cis-1,2-Dichloroethene	7.08	ug/L	1.0	101	74	133	1.7	20	
trans-1,2-Dichloroethene	4.92	ug/L	1.0	98	76	138	4.8	20	
1,2-Dichloropropane	5.48	ug/L	1.0	102	72	135	2.2	20	
cis-1,3-Dichloropropene	5.12	ug/L	1.0	102	75	132	3.1	20	
trans-1,3-Dichloropropene	5.60	ug/L	1.0	112	77	145	1.4	20	
Ethylbenzene	4.84	ug/L	1.0	97	78	131	4.8	20	
2-Hexanone	54.0	ug/L	20	108	72	131	2.2	20	
Iodomethane	6.00	ug/L	1.0	120	66	132	4.1	20	
Methyl ethyl ketone	52.8	ug/L	20	106	55	145	0.8	20	
Methyl isobutyl ketone	52.4	ug/L	20	105	73	129	0	20	
Methylene chloride	4.76	ug/L	1.0	95	73	126	0.8	20	
Styrene	4.04	ug/L	1.0	81	76	134	5.8	20	
1,1,1,2-Tetrachloroethane	5.04	ug/L	1.0	101	75	135	0	20	
1,1,2,2-Tetrachloroethane	5.48	ug/L	1.0	110	72	132	0.7	20	
Tetrachloroethene	14.3	ug/L	1.0	106	78	137	1.4	20	
Toluene	4.92	ug/L	1.0	98	78	134	3.2	20	
1,1,1-Trichloroethane	6.32	ug/L	1.0	99	64	141	3.1	20	
1,1,2-Trichloroethane	5.20	ug/L	1.0	104	72	133	1.6	20	
Trichloroethene	5.80	ug/L	1.0	98	75	138	1.4	20	
Trichlorofluoromethane	6.00	ug/L	1.0	109	58	139	1.3	20	
1,2,3-Trichloropropane	4.88	ug/L	1.0	98	67	133	0.8	20	
Vinyl acetate	4.92	ug/L	1.0	98	31	124	1.6	20	
Vinyl chloride	5.20	ug/L	1.0	104	66	140	0.8	20	
m+p-Xylenes	9.48	ug/L	1.0	95	78	133	2.1	20	
o-Xylene	4.92	ug/L	1.0	98	79	136	2.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 08/05/10
Work Order: B10072483

Method: **SW8260B** Batch: R151480

Sample ID: **b10072483-006amsd** Sample Matrix Spike Duplicate Run: SV5972.I_100729A 07/29/10 17:12

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4			1.0	103	70	130			
Surr: Dibromofluoromethane			1.0	106	77	126			
Surr: p-Bromofluorobenzene			1.0	108	76	127			
Surr: Toluene-d8			1.0	103	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Workorder Receipt Checklist

B10072483

Richland County Health Dept

Login completed by: Darwin C. Miller

Reviewed by: BL2000\kmcdonald

Reviewed Date: 7/27/2010

Date Received: 7/27/2010

Received by: klb

Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	12°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Contact and Corrective Action Comments:

None

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT (Provide as much information as possible.)

Company Name: Richland County	Project Name, PWS, Permit, Etc. landfill #02	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: 1201 West Holly Suite 5	Contact Name: Kelly Logan Phone/Fax: 433-6876	Email:	Sampler: (Please Print)
Invoice Address: Sidney MT 59270	Invoice Contact & Phone: KLOGAN@richland.org	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

☐ DW
☐ POTW/WWTP
☐ State: ____________
☐ Other: ____________

☐ EDD/EDT(Electronic Data)
Format: ____________
☐ LEVEL IV
☐ NELAC

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids
Vegetation Bioassay Other
DW - Drinking Water

ANALYSIS REQUESTED

SEE ATTACHED

Standard Turnaround (TAT)

R U S H

➡ Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: RTN UPSGND

Cooler ID(s):

Receipt Temp 12 °C

On Ice: [✓ Y] N

Custody Seal
On Bottle Y [✓ N]
On Cooler [✓ Y] N
Intact [✓ Y] N
Signature Match [✓ Y] N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	VOC's 8260	LABORATORY USE ONLY
1	SL-3	7/25	1800	W	✓	B10072483-00
2	SL-4	7/25	1445		✓	-002
3	SL-6	7/25	1300		✓	-003
4	SL-7	7/24	1701		✓	-004
5	SL-8	7-24	1754		✓	-005
6	SL-9	7-24	1500		✓	-006
7	DUP	7/25			✓	-007
8						
9	TB SHP0250	7-8-10	GC			-008
10						

Custody Record MUST be Signed

Relinquished by (print): Kelly Logan	Date/Time: 7/26/2010	Signature:	Received by (print): UPS	Date/Time:	Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: ______	Lab Disposal: ______		Received by Laboratory: Kris Buhler	Date/Time: 7-27-10 09:00	Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project:
Lab ID: B10080072-001
Client Sample ID: SL-10

Report Date: 08/13/10
Collection Date: 07/27/10 16:40
DateReceived: 08/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	7.8	ug/L	J	20		SW8260B	08/03/10 12:01 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	08/03/10 12:01 / jrj
Benzene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
2-Hexanone	1.3	ug/L	J	20		SW8260B	08/03/10 12:01 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Methyl ethyl ketone	6.3	ug/L	J	20		SW8260B	08/03/10 12:01 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	08/03/10 12:01 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Styrene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Toluene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/13/10
Project:		**Collection Date:**	07/27/10 16:40
Lab ID:	B10080072-001	**DateReceived:**	08/02/10
Client Sample ID:	SL-10	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/03/10 12:01 / jrj
Surr: 1,2-Dichloroethane-d4	102	%REC		70-130		SW8260B	08/03/10 12:01 / jrj
Surr: Dibromofluoromethane	106	%REC		77-126		SW8260B	08/03/10 12:01 / jrj
Surr: p-Bromofluorobenzene	105	%REC		76-127		SW8260B	08/03/10 12:01 / jrj
Surr: Toluene-d8	99.0	%REC		79-122		SW8260B	08/03/10 12:01 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project:
Lab ID: B10080072-002
Client Sample ID: SL-11

Report Date: 08/13/10
Collection Date: 07/27/10 18:16
DateReceived: 08/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	2.9	ug/L	J	20		SW8260B	08/03/10 12:30 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	08/03/10 12:30 / jrj
Benzene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Carbon disulfide	0.24	ug/L	J	1.0		SW8260B	08/03/10 12:30 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	08/03/10 12:30 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Methyl ethyl ketone	2.4	ug/L	J	20		SW8260B	08/03/10 12:30 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	08/03/10 12:30 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Styrene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Toluene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project:
Lab ID: B10080072-002
Client Sample ID: SL-11

Report Date: 08/13/10
Collection Date: 07/27/10 18:16
DateReceived: 08/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/03/10 12:30 / jrj
Surr: 1,2-Dichloroethane-d4	102	%REC		70-130		SW8260B	08/03/10 12:30 / jrj
Surr: Dibromofluoromethane	108	%REC		77-126		SW8260B	08/03/10 12:30 / jrj
Surr: p-Bromofluorobenzene	104	%REC		76-127		SW8260B	08/03/10 12:30 / jrj
Surr: Toluene-d8	104	%REC		79-122		SW8260B	08/03/10 12:30 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project:
Lab ID: B10080072-003
Client Sample ID: SL-12

Report Date: 08/13/10
Collection Date: 07/28/10 15:55
DateReceived: 08/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	16	ug/L	J	20		SW8260B	08/03/10 12:59 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	08/03/10 12:59 / jrj
Benzene	0.14	ug/L	J	1.0		SW8260B	08/03/10 12:59 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
2-Hexanone	1.5	ug/L	J	20		SW8260B	08/03/10 12:59 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Methyl ethyl ketone	8.3	ug/L	J	20		SW8260B	08/03/10 12:59 / jrj
Methyl isobutyl ketone	1.6	ug/L	J	20		SW8260B	08/03/10 12:59 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Styrene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Toluene	0.23	ug/L	J	1.0		SW8260B	08/03/10 12:59 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project:
Lab ID: B10080072-003
Client Sample ID: SL-12

Report Date: 08/13/10
Collection Date: 07/28/10 15:55
DateReceived: 08/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
m+p-Xylenes	0.20	ug/L	J	1.0		SW8260B	08/03/10 12:59 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	08/03/10 12:59 / jrj
Xylenes, Total	0.20	ug/L	J	1.0		SW8260B	08/03/10 12:59 / jrj
Surr: 1,2-Dichloroethane-d4	104	%REC		70-130		SW8260B	08/03/10 12:59 / jrj
Surr: Dibromofluoromethane	108	%REC		77-126		SW8260B	08/03/10 12:59 / jrj
Surr: p-Bromofluorobenzene	105	%REC		76-127		SW8260B	08/03/10 12:59 / jrj
Surr: Toluene-d8	104	%REC		79-122		SW8260B	08/03/10 12:59 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project:
Lab ID: B10080072-004
Client Sample ID: SL-13

Report Date: 08/13/10
Collection Date: 07/28/10 18:35
DateReceived: 08/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	10	ug/L	J	20		SW8260B	08/03/10 13:27 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	08/03/10 13:27 / jrj
Benzene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Carbon disulfide	0.17	ug/L	J	1.0		SW8260B	08/03/10 13:27 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	08/03/10 13:27 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Methyl ethyl ketone	9.7	ug/L	J	20		SW8260B	08/03/10 13:27 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	08/03/10 13:27 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Styrene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Toluene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/13/10
Project:		**Collection Date:**	07/28/10 18:35
Lab ID:	B10080072-004	**DateReceived:**	08/02/10
Client Sample ID:	SL-13	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/03/10 13:27 / jrj
Surr: 1,2-Dichloroethane-d4	103	%REC		70-130		SW8260B	08/03/10 13:27 / jrj
Surr: Dibromofluoromethane	110	%REC		77-126		SW8260B	08/03/10 13:27 / jrj
Surr: p-Bromofluorobenzene	108	%REC		76-127		SW8260B	08/03/10 13:27 / jrj
Surr: Toluene-d8	104	%REC		79-122		SW8260B	08/03/10 13:27 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project:
Lab ID: B10080072-005
Client Sample ID: Dup SL-14 Dup

Report Date: 08/13/10
Collection Date: Not Provided
DateReceived: 08/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	2.2	ug/L	J	20		SW8260B	08/03/10 13:56 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	08/03/10 13:56 / jrj
Benzene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	08/03/10 13:56 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Methyl ethyl ketone	3.7	ug/L	J	20		SW8260B	08/03/10 13:56 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	08/03/10 13:56 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Styrene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Toluene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj

Report Definitions:
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QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/13/10
Project:		**Collection Date:**	Not Provided
Lab ID:	B10080072-005	**DateReceived:**	08/02/10
Client Sample ID:	Dup	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/03/10 13:56 / jrj
Surr: 1,2-Dichloroethane-d4	102	%REC		70-130		SW8260B	08/03/10 13:56 / jrj
Surr: Dibromofluoromethane	108	%REC		77-126		SW8260B	08/03/10 13:56 / jrj
Surr: p-Bromofluorobenzene	104	%REC		76-127		SW8260B	08/03/10 13:56 / jrj
Surr: Toluene-d8	98.0	%REC		79-122		SW8260B	08/03/10 13:56 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project:
Lab ID: B10080072-006
Client Sample ID: SL-14

Report Date: 08/13/10
Collection Date: 07/30/10 12:20
DateReceived: 08/02/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	3.1	ug/L	J	20		SW8260B	08/03/10 14:25 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	08/03/10 14:25 / jrj
Benzene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	08/03/10 14:25 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Methyl ethyl ketone	3.4	ug/L	J	20		SW8260B	08/03/10 14:25 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	08/03/10 14:25 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Styrene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Toluene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	08/13/10
Project:		**Collection Date:**	07/30/10 12:20
Lab ID:	B10080072-006	**DateReceived:**	08/02/10
Client Sample ID:	SL-14	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/03/10 14:25 / jrj
Surr: 1,2-Dichloroethane-d4	104	%REC		70-130		SW8260B	08/03/10 14:25 / jrj
Surr: Dibromofluoromethane	109	%REC		77-126		SW8260B	08/03/10 14:25 / jrj
Surr: p-Bromofluorobenzene	106	%REC		76-127		SW8260B	08/03/10 14:25 / jrj
Surr: Toluene-d8	99.0	%REC		79-122		SW8260B	08/03/10 14:25 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project:
Lab ID: B10080072-007
Client Sample ID: Trip Blank Lot070610 B-TS SHP0250

Report Date: 08/13/10
Collection Date: 07/27/10 16:40
DateReceived: 08/02/10
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	08/03/10 11:32 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	08/03/10 11:32 / jrj
Benzene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	08/03/10 11:32 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	08/03/10 11:32 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	08/03/10 11:32 / jrj
Methylene chloride	1.8	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Styrene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Toluene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project:
Lab ID: B10080072-007
Client Sample ID: Trip Blank Lot070610 B-TS SHP0250

Report Date: 08/13/10
Collection Date: 07/27/10 16:40
DateReceived: 08/02/10
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/03/10 11:32 / jrj
Surr: 1,2-Dichloroethane-d4	100	%REC		70-130		SW8260B	08/03/10 11:32 / jrj
Surr: Dibromofluoromethane	107	%REC		77-126		SW8260B	08/03/10 11:32 / jrj
Surr: p-Bromofluorobenzene	104	%REC		76-127		SW8260B	08/03/10 11:32 / jrj
Surr: Toluene-d8	102	%REC		79-122		SW8260B	08/03/10 11:32 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project:

Report Date: 08/13/10
Work Order: B10080072

Method: **SW8260B** Batch: R151735

Sample ID: **lcs080310** Laboratory Control Sample Run: SV5972.I_100803A 08/03/10 10:35

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	44.8	ug/L	20	90	62	130			
Acrylonitrile	48.0	ug/L	20	96	60	130			
Benzene	5.32	ug/L	1.0	106	71	133			
Bromochloromethane	5.24	ug/L	1.0	105	68	131			
Bromodichloromethane	5.24	ug/L	1.0	105	67	138			
Bromoform	5.28	ug/L	1.0	106	64	136			
Bromomethane	6.16	ug/L	1.0	123	60	138			
Carbon disulfide	4.88	ug/L	1.0	98	46	145			
Carbon tetrachloride	5.48	ug/L	1.0	110	61	144			
Chlorobenzene	5.16	ug/L	1.0	103	78	136			
Chlorodibromomethane	5.36	ug/L	1.0	107	72	136			
Chloroethane	5.44	ug/L	1.0	109	64	136			
Chloroform	5.24	ug/L	1.0	105	69	133			
Chloromethane	5.92	ug/L	1.0	118	63	149			
1,2-Dibromo-3-chloropropane	5.12	ug/L	1.0	102	63	125			
1,2-Dibromoethane	5.12	ug/L	1.0	102	75	131			
Dibromomethane	5.12	ug/L	1.0	102	72	133			
1,2-Dichlorobenzene	5.16	ug/L	1.0	103	78	129			
1,4-Dichlorobenzene	5.20	ug/L	1.0	104	78	131			
trans-1,4-Dichloro-2-butene	4.88	ug/L	1.0	98	50	142			
Dichlorodifluoromethane	6.28	ug/L	1.0	126	55	141			
1,1-Dichloroethane	5.48	ug/L	1.0	110	72	130			
1,2-Dichloroethane	5.20	ug/L	1.0	104	57	146			
1,1-Dichloroethene	5.80	ug/L	1.0	116	66	142			
cis-1,2-Dichloroethene	5.20	ug/L	1.0	104	74	133			
trans-1,2-Dichloroethene	5.40	ug/L	1.0	108	76	138			
1,2-Dichloropropane	5.24	ug/L	1.0	105	72	135			
cis-1,3-Dichloropropene	5.28	ug/L	1.0	106	75	132			
trans-1,3-Dichloropropene	5.84	ug/L	1.0	117	77	145			
Ethylbenzene	5.32	ug/L	1.0	106	78	131			
2-Hexanone	46.8	ug/L	20	94	72	131			
Iodomethane	5.60	ug/L	1.0	112	66	132			
Methyl ethyl ketone	46.8	ug/L	20	94	55	145			
Methyl isobutyl ketone	46.4	ug/L	20	93	73	129			
Methylene chloride	4.92	ug/L	1.0	98	73	126			
Styrene	5.16	ug/L	1.0	103	76	134			
1,1,1,2-Tetrachloroethane	5.12	ug/L	1.0	102	75	135			
1,1,2,2-Tetrachloroethane	5.32	ug/L	1.0	106	72	132			
Tetrachloroethene	5.20	ug/L	1.0	104	78	137			
Toluene	5.24	ug/L	1.0	105	78	134			
1,1,1-Trichloroethane	5.40	ug/L	1.0	108	64	141			
1,1,2-Trichloroethane	4.92	ug/L	1.0	98	72	133			
Trichloroethene	5.20	ug/L	1.0	104	75	138			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project:

Report Date: 08/13/10
Work Order: B10080072

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R151735
Sample ID: lcs080310	Laboratory Control Sample				Run: SV5972.I_100803A				08/03/10 10:35
Trichlorofluoromethane	5.36	ug/L	1.0	107	58	139			
1,2,3-Trichloropropane	4.76	ug/L	1.0	95	67	133			
Vinyl acetate	4.00	ug/L	1.0	80	31	124			
Vinyl chloride	5.16	ug/L	1.0	103	66	140			
m+p-Xylenes	10.3	ug/L	1.0	103	78	133			
o-Xylene	5.28	ug/L	1.0	106	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	100	70	130			
Surr: Dibromofluoromethane			1.0	104	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	103	79	122			
Sample ID: blk080310	Method Blank				Run: SV5972.I_100803A				08/03/10 11:03
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project:

Report Date: 08/13/10
Work Order: B10080072

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R151735
Sample ID: blk080310	Method Blank				Run: SV5972.I_100803A				08/03/10 11:03
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	101	70	130			
Surr: Dibromofluoromethane			1.0	107	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	104	79	122			
Sample ID: B10080072-001AMS	Sample Matrix Spike				Run: SV5972.I_100803A				08/03/10 15:04
Acetone	56.0	ug/L	20	96	62	130			
Acrylonitrile	52.8	ug/L	20	106	60	130			
Benzene	5.64	ug/L	1.0	113	71	133			
Bromochloromethane	5.60	ug/L	1.0	112	68	131			
Bromodichloromethane	5.40	ug/L	1.0	108	67	138			
Bromoform	5.36	ug/L	1.0	107	64	136			
Bromomethane	7.24	ug/L	1.0	145	60	138			S
Carbon disulfide	5.16	ug/L	1.0	103	46	145			
Carbon tetrachloride	5.84	ug/L	1.0	117	61	144			
Chlorobenzene	5.40	ug/L	1.0	108	78	136			
Chlorodibromomethane	5.60	ug/L	1.0	112	72	136			
Chloroethane	5.80	ug/L	1.0	116	64	136			
Chloroform	5.60	ug/L	1.0	112	69	133			
Chloromethane	6.60	ug/L	1.0	132	63	149			
1,2-Dibromo-3-chloropropane	5.28	ug/L	1.0	106	63	125			
1,2-Dibromoethane	5.36	ug/L	1.0	107	75	131			
Dibromomethane	5.44	ug/L	1.0	109	72	133			
1,2-Dichlorobenzene	5.44	ug/L	1.0	109	78	129			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project:

Report Date: 08/13/10
Work Order: B10080072

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R151735	
Sample ID: B10080072-001AMS	Sample Matrix Spike				Run: SV5972.I_100803A			08/03/10 15:04	
1,4-Dichlorobenzene	5.44	ug/L	1.0	109	78	131			
trans-1,4-Dichloro-2-butene	5.08	ug/L	1.0	102	50	142			
Dichlorodifluoromethane	6.52	ug/L	1.0	130	55	141			
1,1-Dichloroethane	5.68	ug/L	1.0	114	72	130			
1,2-Dichloroethane	5.72	ug/L	1.0	114	57	146			
1,1-Dichloroethene	5.92	ug/L	1.0	118	66	142			
cis-1,2-Dichloroethene	5.52	ug/L	1.0	110	74	133			
trans-1,2-Dichloroethene	5.56	ug/L	1.0	111	76	138			
1,2-Dichloropropane	5.48	ug/L	1.0	110	72	135			
cis-1,3-Dichloropropene	5.52	ug/L	1.0	110	75	132			
trans-1,3-Dichloropropene	6.00	ug/L	1.0	120	77	145			
Ethylbenzene	5.48	ug/L	1.0	110	78	131			
2-Hexanone	52.4	ug/L	20	102	72	131			
Iodomethane	6.16	ug/L	1.0	123	66	132			
Methyl ethyl ketone	56.4	ug/L	20	100	55	145			
Methyl isobutyl ketone	51.2	ug/L	20	100	73	129			
Methylene chloride	5.16	ug/L	1.0	103	73	126			
Styrene	3.92	ug/L	1.0	78	76	134			
1,1,1,2-Tetrachloroethane	5.44	ug/L	1.0	109	75	135			
1,1,2,2-Tetrachloroethane	5.60	ug/L	1.0	112	72	132			
Tetrachloroethene	5.68	ug/L	1.0	114	78	137			
Toluene	5.40	ug/L	1.0	108	78	134			
1,1,1-Trichloroethane	5.80	ug/L	1.0	116	64	141			
1,1,2-Trichloroethane	5.28	ug/L	1.0	106	72	133			
Trichloroethene	5.40	ug/L	1.0	108	75	138			
Trichlorofluoromethane	5.76	ug/L	1.0	115	58	139			
1,2,3-Trichloropropane	4.96	ug/L	1.0	99	67	133			
Vinyl acetate	4.80	ug/L	1.0	96	31	124			
Vinyl chloride	5.40	ug/L	1.0	108	66	140			
m+p-Xylenes	10.2	ug/L	1.0	102	78	133			
o-Xylene	5.32	ug/L	1.0	106	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	102	70	130			
Surr: Dibromofluoromethane			1.0	108	77	126			
Surr: p-Bromofluorobenzene			1.0	103	76	127			
Surr: Toluene-d8			1.0	102	79	122			
Sample ID: B10080072-001AMSD	Sample Matrix Spike Duplicate				Run: SV5972.I_100803A			08/03/10 15:33	
Acetone	59.2	ug/L	20	103	62	130	5.6	20	
Acrylonitrile	54.4	ug/L	20	109	60	130	3	20	
Benzene	5.72	ug/L	1.0	114	71	133	1.4	20	
Bromochloromethane	5.72	ug/L	1.0	114	68	131	2.1	20	
Bromodichloromethane	5.60	ug/L	1.0	112	67	138	3.6	20	
Bromoform	5.60	ug/L	1.0	112	64	136	4.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project:

Report Date: 08/13/10
Work Order: B10080072

Method: **SW8260B** Batch: R151735

Sample ID: **B10080072-001AMSD** Sample Matrix Spike Duplicate Run: SV5972.I_100803A 08/03/10 15:33

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Bromomethane	7.84	ug/L	1.0	157	60	138	8	20	S
Carbon disulfide	5.28	ug/L	1.0	106	46	145	2.3	20	
Carbon tetrachloride	6.04	ug/L	1.0	121	61	144	3.4	20	
Chlorobenzene	5.52	ug/L	1.0	110	78	136	2.2	20	
Chlorodibromomethane	5.80	ug/L	1.0	116	72	136	3.5	20	
Chloroethane	5.92	ug/L	1.0	118	64	136	2	20	
Chloroform	5.68	ug/L	1.0	114	69	133	1.4	20	
Chloromethane	6.88	ug/L	1.0	138	63	149	4.2	20	
1,2-Dibromo-3-chloropropane	5.60	ug/L	1.0	112	63	125	5.9	20	
1,2-Dibromoethane	5.60	ug/L	1.0	112	75	131	4.4	20	
Dibromomethane	5.68	ug/L	1.0	114	72	133	4.3	20	
1,2-Dichlorobenzene	5.68	ug/L	1.0	114	78	129	4.3	20	
1,4-Dichlorobenzene	5.64	ug/L	1.0	113	78	131	3.6	20	
trans-1,4-Dichloro-2-butene	5.44	ug/L	1.0	109	50	142	6.8	20	
Dichlorodifluoromethane	6.96	ug/L	1.0	139	55	141	6.5	20	
1,1-Dichloroethane	5.72	ug/L	1.0	114	72	130	0.7	20	
1,2-Dichloroethane	5.84	ug/L	1.0	117	57	146	2.1	20	
1,1-Dichloroethene	6.00	ug/L	1.0	120	66	142	1.3	20	
cis-1,2-Dichloroethene	5.72	ug/L	1.0	114	74	133	3.6	20	
trans-1,2-Dichloroethene	5.60	ug/L	1.0	112	76	138	0.7	20	
1,2-Dichloropropane	5.52	ug/L	1.0	110	72	135	0.7	20	
cis-1,3-Dichloropropene	5.64	ug/L	1.0	113	75	132	2.2	20	
trans-1,3-Dichloropropene	6.08	ug/L	1.0	122	77	145	1.3	20	
Ethylbenzene	5.56	ug/L	1.0	111	78	131	1.4	20	
2-Hexanone	54.4	ug/L	20	106	72	131	3.7	20	
Iodomethane	6.60	ug/L	1.0	132	66	132	6.9	20	
Methyl ethyl ketone	58.8	ug/L	20	105	55	145	4.2	20	
Methyl isobutyl ketone	53.6	ug/L	20	105	73	129	4.6	20	
Methylene chloride	5.08	ug/L	1.0	102	73	126	1.6	20	
Styrene	4.04	ug/L	1.0	81	76	134	3.1	20	
1,1,1,2-Tetrachloroethane	5.64	ug/L	1.0	113	75	135	3.6	20	
1,1,2,2-Tetrachloroethane	5.88	ug/L	1.0	118	72	132	4.9	20	
Tetrachloroethene	5.92	ug/L	1.0	118	78	137	4.1	20	
Toluene	5.52	ug/L	1.0	110	78	134	2.2	20	
1,1,1-Trichloroethane	5.80	ug/L	1.0	116	64	141	0	20	
1,1,2-Trichloroethane	5.36	ug/L	1.0	107	72	133	1.5	20	
Trichloroethene	5.56	ug/L	1.0	111	75	138	2.9	20	
Trichlorofluoromethane	6.08	ug/L	1.0	122	58	139	5.4	20	
1,2,3-Trichloropropane	5.04	ug/L	1.0	101	67	133	1.6	20	
Vinyl acetate	5.00	ug/L	1.0	100	31	124	4.1	20	
Vinyl chloride	5.60	ug/L	1.0	112	66	140	3.6	20	
m+p-Xylenes	10.3	ug/L	1.0	103	78	133	1.2	20	
o-Xylene	5.40	ug/L	1.0	108	79	136	1.5	20	

Qualifiers:

RL - Analyte reporting limit.
S - Spike recovery outside of advisory limits.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project:

Report Date: 08/13/10
Work Order: B10080072

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R151735
Sample ID: B10080072-001AMSD Sample Matrix Spike Duplicate					Run: SV5972.I_100803A				08/03/10 15:33
Surr: 1,2-Dichloroethane-d4			1.0	102	70	130			
Surr: Dibromofluoromethane			1.0	108	77	126			
Surr: p-Bromofluorobenzene			1.0	106	76	127			
Surr: Toluene-d8			1.0	103	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Workorder Receipt Checklist

Richland County Health Dept

B10080072

Login completed by: Leslie S. Cadreau
Reviewed by: BL2000\kmcdonald
Reviewed Date: 8/3/2010

Date Received: 8/2/2010
Received by: lsc
Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	3°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Contact and Corrective Action Comments:

None

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT (Provide as much information as possible.)

Company Name: Richland County	Project Name, PWS, Permit, Etc. Kelly Logan	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: 1201 West Holly Suite 5	Contact Name: Phone/Fax: 433-6876	Email: KLogan@richland.org	Sampler: (Please Print)
Invoice Address: Sidney MT 59270	Invoice Contact & Phone: Land Fill 102	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

☐ DW
☐ POTW/WWTP
☐ State: ________
☐ Other: ________
☐ EDD/EDT (Electronic Data) Format: ________
☐ LEVEL IV
☐ NELAC

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids Vegetation Bioassay Other
DW - Drinking Water

➡ Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Shipped by: Hand
Cooler ID(s):
Receipt Temp 3 °C
On Ice: [✓ Y] N
Custody Seal On Bottle Y [✓ N]
On Cooler Y [✓ N]
Intact Y [✓ N]
Signature Match Y [✓ N]

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	ANALYSIS REQUESTED VOC's 8260									SEE ATTACHED	Standard Turnaround (TAT)	RUSH	Comments:	LABORATORY USE ONLY
1	SL-10	7-27	1640	W														B10080072-001
2	SL-11	7-27	1816															-002
3	SL-12	7-28	1555															-003
4	SL-13	7-28	1935															-004
5	DUP																	-005
6	SL-14	7-30	1220															-006
7	TB 7-6-10	TS 0250																-007
8																		
9																		
10																		

Custody Record MUST be Signed

Relinquished by (print): K J Logan	Date/Time: 9-2-2010	Signature:	Received by (print):	Date/Time:	Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: ____		Lab Disposal: ____	Received by Laboratory: Lidia Cardenas	Date/Time: 8-2-10 13:25	Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

DISTRICT SANITARIAN
RICHLAND and McCONE COUNTY HEALTH DEPARTMENTS

1201 West Holly St. Suite 5 Sidney, MT 59270 Phone: 406-433-6876

MEMORANDUM

RT
RECEIVED
NOV 29 2010
DEPT OF ENVIRO. QUALITY
WASTE & UNDERGROUND TANK
MANAGEMENT BUREAU

TO: Martin Van Oort; DEQ/Permitting & Compliance/Solid Waste

FROM: Kelly Logan

DATE: November 22, 2010

SUBJECT: Richland County Landfill # 102 – October 2010 sampling

Groundwater samples were collected from Richland County Landfill #102 during October. Duplicate sample collected from SL-3. Methylene chloride was detected in the trip blank. Spike recovery for sulfate and chloride were outside advisory limits.

Data analysis

- Concentration of tetrachloroethene at SL-3, SL-6, SL-7, and SL-8 maybe increasing slightly. This would follow the suspected groundwater flow pattern.
- Tetrachloroethene at SL-4 appears to be decreasing
- Tetrachloroethene was not detected in wells SL-10 thru SL-14.

SL-3	Tetrachloroethene	Trichloroethene	Cis-1,2 dichloroethene	Trans-1,2 dichloroethene Vinyl chloride
12/2/09	9.1	1.2	3.0	ND
4/17/10	6.4	0.94	2.3	ND
7/25/10	8.9	1.4	3.4	
10/10/10	8.9	1.2	2.8	
SL-4				
12/02/09	27	0.70	0.40	ND
4/17/10	23	0.48	0.30	ND
7/25/10	21	0.51	0.32	ND
10/10/10	18	0.57	0.30	ND
SL-6				
12/02/09	12	0.33	0.29	ND
4/18/10	17	0.39	0.33	ND
7/25/10	20	0.47	0.38	ND
10/9/10	24	0.57	0.36	ND
SL-7				
12/01/09	23	0.92	0.53	ND
4/17/10	25	0.73	0.30	ND
7/24/10	26	0.69	0.28	ND

10/10/10	27	0.67	0.22	
SL-8				
12/01/09	14	0.44	0.37	ND
4/17/10	16	0.50	0.51	ND
7/24/10	19	0.76	0.87	ND
10/10/10	21	0.91	0.94	ND
SL-9				
12/01/09	10	0.97	2.3	ND
4/16/10	8.6	0.81	1.9	ND
7/24/10	9.0	0.90	2.1	ND
10/10/10	10.0	0.95	2.0	ND

- Groundwater flow direction from the deep cells appears to be to the north-northeast-north-northwest.
- Conductivity at SL-12 is substantially higher than background levels and follows the suspected groundwater flow pattern. The increased mineral content found here is probably a result of the more soluble ions being mobilized from the excavation area for the capping material for the landfill.
- Calculated groundwater velocity is 0.12 ft/day.

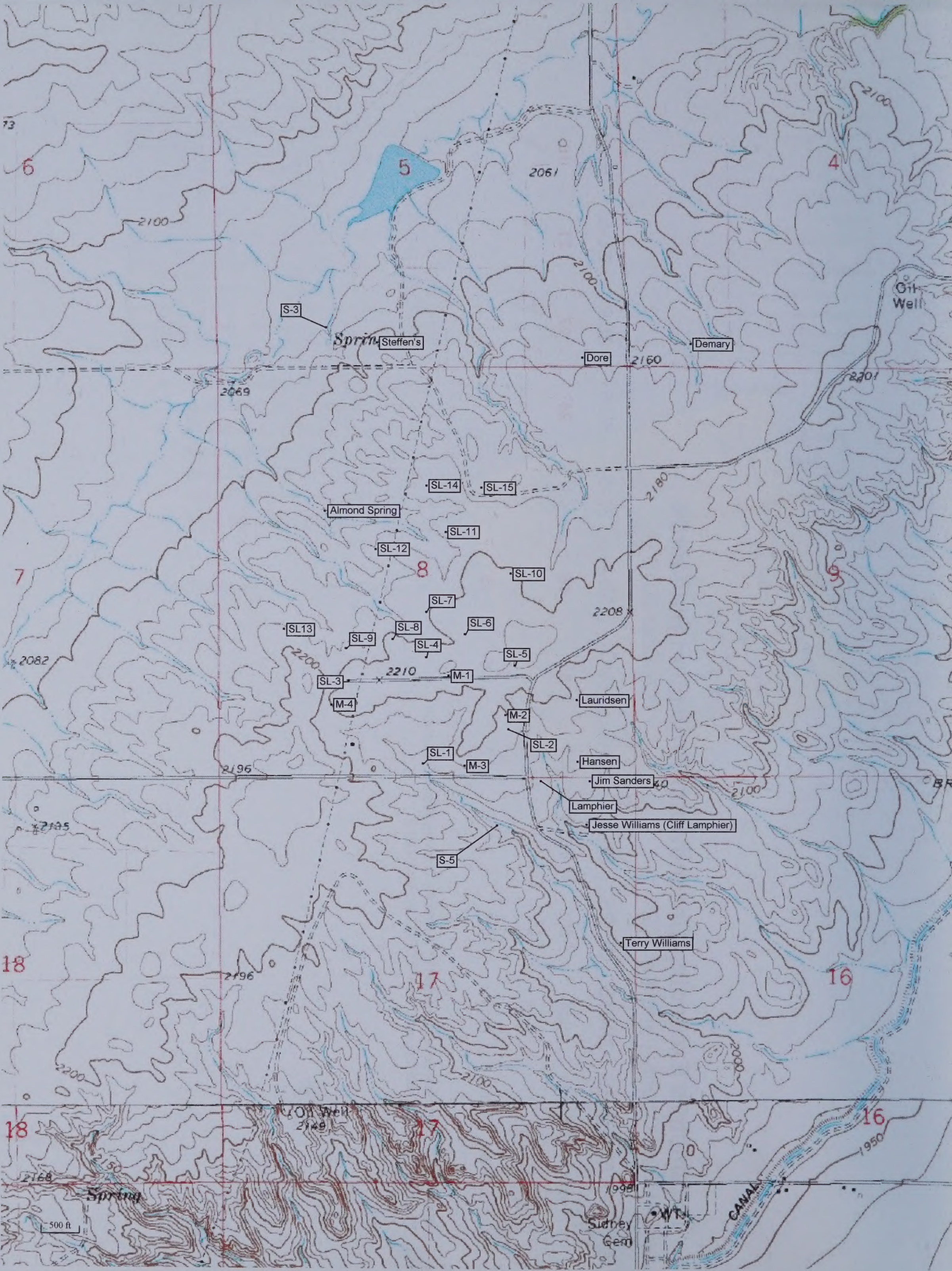
Next scheduled sampling is for April/May 2011.

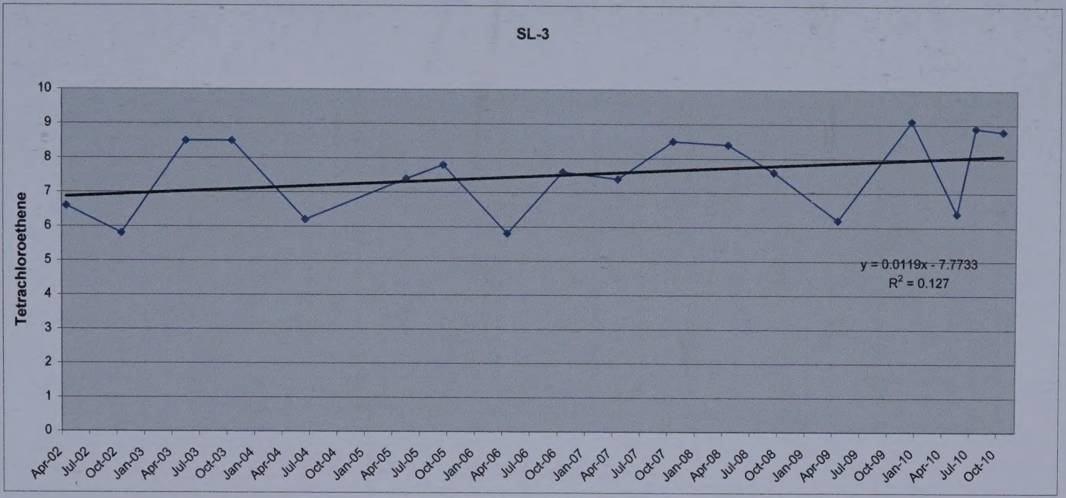
Parameters Exceeding Groundwater Protection Standards

Richland County Landfill # 102 October 2010

PARAMETERS	UNITS	GWPS	SL-1	SL-2	SL-3	SL-4	SL-5	SL-6	SL-7	SL-8	SL-9
Tetrachloroethene	ug/l	5*	ND	4.7	**8.8**	**18**	< 1	**24**	**27**	**21**	**10**
Barium	mg/l	2**									
Nitrate + nitrite	mg/l	10**	7.5	3.3	0.6	**13**					

*Maximum Contaminant Level based on EPA Primary Drinking Water Standards
**Human Health Standards based on MT DEQ Circular WQB-7


S-3
Spring
Steffen's
Dore
Demary
Oil Well
Almond Spring
SL-14
SL-15
SL-11
SL-12
SL-10
SL-7
SL13
SL-9
SL-8
SL-6
SL-4
SL-5
SL-3
M-1
M-4
Lauridsen
M-2
SL-2
SL-1
M-3
Hansen
Jim Sanders
Lamphier
Jesse Williams (Cliff Lamphier)
S-5
Terry Williams
Oil Well
Spring
Sidney Gem
WT
CANAL
500 ft
6
5
4
7
8
9
18
17
16
2100
2061
2069
2160
2201
2180
2208
2200
2210
2082
2196
2105
2000
1950
2149
2150
2168
1998


SL-3
Tetrachloroethene
10
9
8
7
6
5
4
3
2
1
0
y = 0.0119x - 7.7733
R^2 = 0.127
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Jan-06
Apr-06
Jul-06
Oct-06
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
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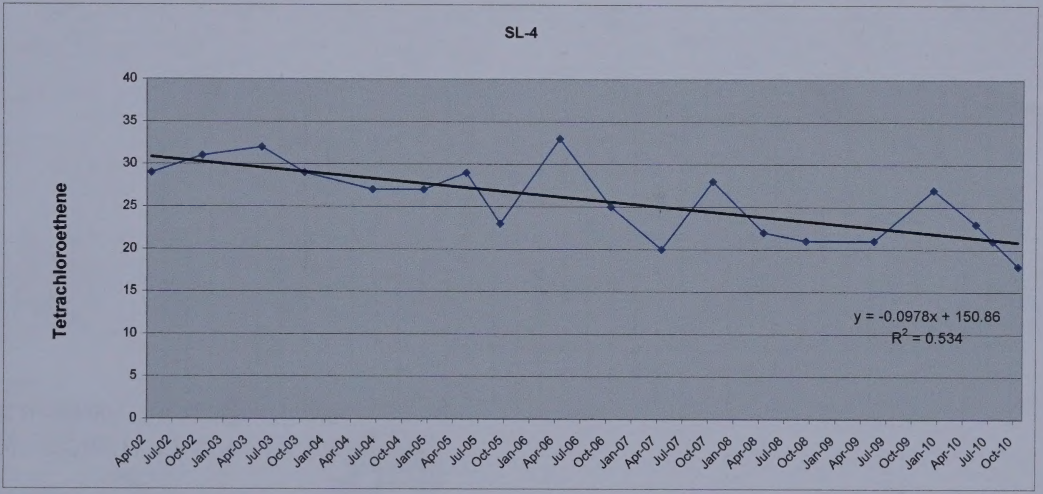
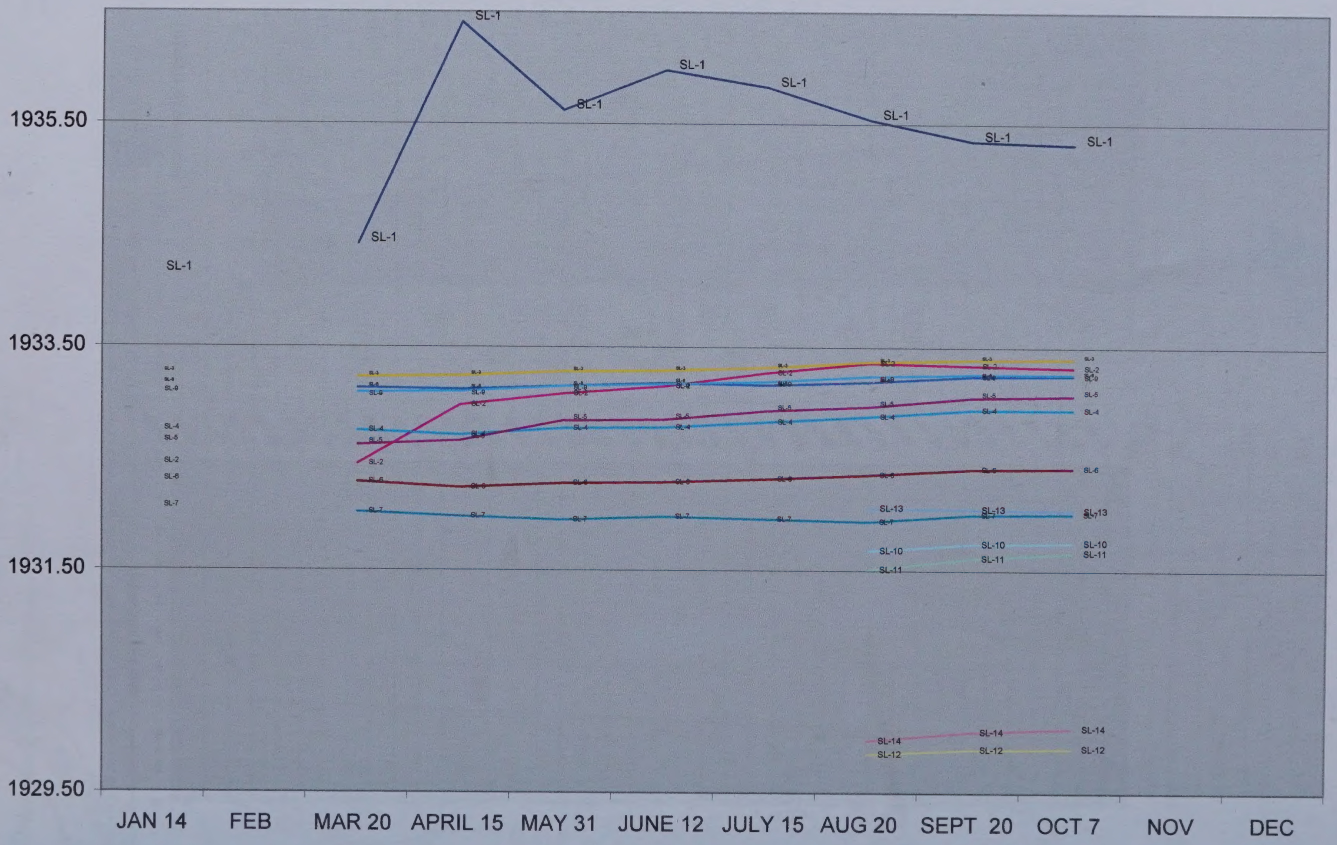
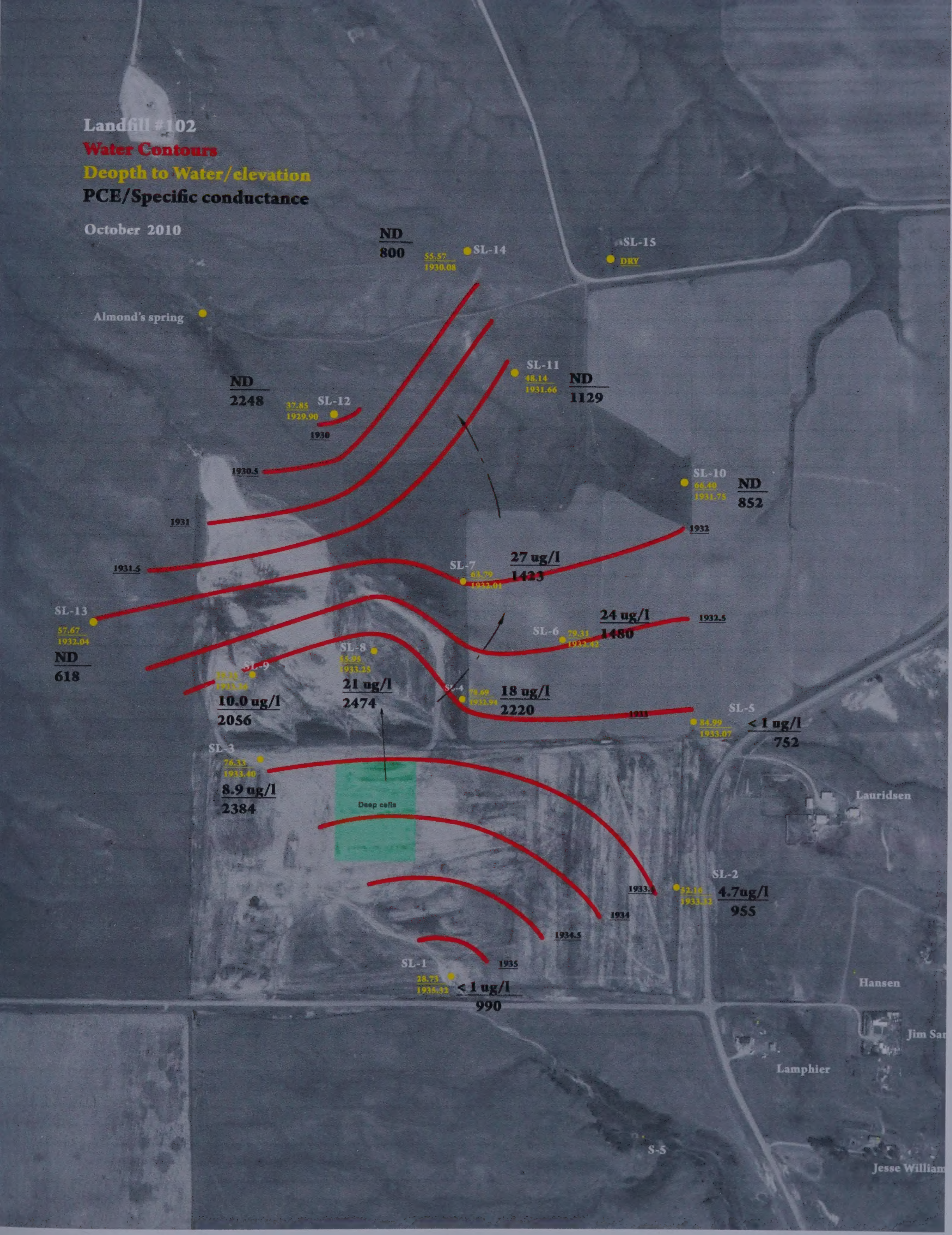
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10


SL-4
Tetrachloroethene
40
35
30
25
20
15
10
5
0
y = -0.0978x + 150.86
R^2 = 0.534
Apr-02
Jul-02
Oct-02
Jan-03
Apr-03
Jul-03
Oct-03
Jan-04
Apr-04
Jul-04
Oct-04
Jan-05
Apr-05
Jul-05
Oct-05
Jan-06
Apr-06
Jul-06
Oct-06
Jan-07
Apr-07
Jul-07
Oct-07
Jan-08
Apr-08
Jul-08
Oct-08
Jan-09
Apr-09
Jul-09
Oct-09
Jan-10
Apr-10
Jul-10
Oct-10

RICHLAND COUNTY LANDFILL# 102
2010 GROUNDWATER ELEVATIONS





Landfill #102
Water Contours
Deopth to Water/elevation
PCE/Specific conductance
October 2010

ND
800
55.57
1930.08
SL-14
SL-15
DRY
Almond's spring
SL-11
48.14
1931.66
ND
1129
ND
2248
37.85
1929.90
SL-12
1930
1930.5
SL-10
66.40
1931.75
ND
852
1931
1932
1931.5
SL-7
63.79
1932.01
27 ug/l
1423
SL-13
57.67
1932.04
ND
618
24 ug/l
1480
1932.5
SL-6
79.31
1932.42
SL-8
55.95
1933.25
SL-9
10.0 ug/l
2056
21 ug/l
2474
SL-4
78.69
1932.94
18 ug/l
2220
1933
SL-5
84.99
1933.07
< 1 ug/l
752
SL-3
76.33
1933.40
8.9 ug/l
2384
Deep cells
Lauridsen
SL-2
1933.5
52.16
1933.32
4.7ug/l
955
1934
1934.5
1935
SL-1
28.73
1935.32
< 1 ug/l
990
Hansen
Jim Sa
Lamphier
S-5
Jesse William

GROUNDWATER LEVEL DATA - RICHLAND COUNTY LANDFILL # 102

	MEASURING POINT ELEVATION													
	1964.05		1985.48		2009.73		2011.63		2018.06		2011.73		1996.09 1996.11* 1995.80**	
	SL-1		SL-2		SL-3		SL-4		SL-5		SL-6		SL-7	
date	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation
01/01/09	29.94	1934.11	52.93	1932.55	76.35	1933.38	78.68	1932.95	85.24	1932.82				
02/09/09														
03/24/09	29.32	1934.73	53.94	1932.54	76.34	1933.39	78.72	1932.91	85.26	1932.80				
04/26/09	28.76	1935.29	52.76	1932.72	76.27	1933.46	78.72	1932.91	85.26	1932.80				
05/09/09	28.94	1935.11	52.76	1932.72	76.29	1933.44	78.74	1932.89	85.27	1932.79				
06/27/09	29.33	1934.72	52.82	1932.66	76.34	1933.39	78.74	1932.89	85.27	1932.79				
07/22/09	29.46	1934.59	52.87	1932.61	76.35	1933.38	78.74	1932.89	85.28	1932.78				
08/21/09	29.58	1934.47	52.91	1932.57	76.37	1933.36	78.76	1932.87	85.29	1932.77				
09/10/09	29.65	1934.40	52.92	1932.56	76.39	1933.34	78.78	1932.85	85.33	1932.73				
10/29/09	29.78	1934.27	52.96	1932.52	76.42	1933.31	78.80	1932.83	85.35	1932.71				
11/19/09	29.82	1934.23	52.86	1932.62	76.44	1933.29	78.84	1932.79	85.31	1932.75	79.39	1932.34	64.02	1932.07
11/30/09	29.84	1934.21	52.98	1932.50	76.44	1933.29	78.83	1932.80	85.37	1932.69	79.38	1932.35	64.03	1932.06
12/16/09	29.86	1934.19	52.99	1932.49	76.45	1933.28	78.84	1932.79	85.42	1932.64	79.37	1932.36	64.08	1932.01
01/14/10	29.90	1934.15	53.02	1932.46	76.47	1933.26	78.87	1932.76	85.43	1932.63	79.42	1932.31	64.04	1932.07
03/20/10	29.63	1934.42	53.03	1932.45	76.50	1933.23	78.88	1932.75	85.44	1932.62	79.44	1932.29	64.09	1932.02
04/15/10	27.64	1936.41	52.50	1932.98	76.49	1933.24	78.92	1932.71	85.40	1932.66	79.49	1932.24	64.13	1931.98
05/31/10	28.43	1935.62	52.40	1933.08	76.45	1933.28	78.86	1932.77	85.22	1932.84	79.45	1932.28	64.16	1931.95
06/12/10	28.07	1935.98	52.33	1933.15	76.44	1933.29	78.85	1932.78	85.21	1932.85	79.44	1932.29	64.13	1931.98
07/15/10	28.22	1935.83	52.21	1933.27	76.41	1933.32	78.80	1932.83	85.13	1932.93	79.41	1932.32	64.15	1931.96
08/20/10	28.51	1935.54	52.12	1933.36	76.36	1933.37	78.75	1932.88	85.09	1932.97	79.37	1932.36	63.86**	1931.94
09/26/10	28.70	1935.35	52.14	1933.34	76.34	1933.39	78.69	1932.94	85.01	1933.05	79.32	1932.41	63.80	1932.00
10/07/10	28.73	1935.32	52.16	1933.32	76.33	1933.40	78.69	1932.94	84.99	1933.07	79.31	1932.42	63.79	1932.01

GROUNDWATER LEVEL DATA - RICHLAND COUNTY LANDFILL # 102

MEASURING POINT ELEVATION

1989.20		1972.51		1998.15		1979.8		1967.75		1989.71		1985.65		1974.32	
SL-8		SL-9		SL-10		SL-11		SL-12		SL-13		SL-14		SL-15	
depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation
56.00	1933.20	39.37	1933.14												
56.01	1933.19	39.37	1933.14												
56.01	1933.19	39.38	1933.13												
56.04	1933.16	39.39	1933.12												
56.07	1933.13	39.42	1933.09												
56.08	1933.12	39.41	1933.10												
56.05	1933.15	39.36	1933.15												
56.02	1933.18	39.34	1933.17												
56.04	1933.16	39.32	1933.19												
56.01	1933.19	39.27	1933.24	66.47	1931.68	48.29	1931.51	37.90	1929.85	57.65	1932.06	55.68	1929.97	dry	
55.96	1933.24	39.25	1933.26	66.41	1931.74	48.19	1931.61	37.86	1929.89	57.66	1932.05	55.60	1930.05	dry	
55.95	1933.25	39.25	1933.26	66.40	1931.75	48.14	1931.66	37.85	1929.90	57.67	1932.04	55.57	1930.08	dry	

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 8 2010 STATION S-5

WEATHER overcast T=70° WIND 0 @ MPH

CASING TYPE CASING DIAMETER CASING STICKUP

MEASURING PT. DEPTH TO WATER TOTAL DEPTH

WELL EXCAVATION DISPOSABLE BAILER OTHER

ONE CASING VOLUME = GALLONS X 3 = GALLONS

COMMENTS (Beagle's pasture)

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1530	GRAB	11.0	7.4	367

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

1 – 250 ML PLASTIC METALS FILTERED - HNO_3

1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS H_2O tank dry, no cattle

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 8 2010 STATION SL-1

WEATHER overcast T= 70 WIND NE @ 3 MPH

CASING TYPE CASING DIAMETER CASING STICKUP

MEASURING PT. DEPTH TO WATER 29.73 TOTAL DEPTH 31.12

WELL EXCAVATION DISPOSABLE BAILER OTHER

ONE CASING VOLUME = GALLONS X 3 = 1.25 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1540	0			
1546	0.75	11.2	6.7	1224
1557	1.00	12.3	6.7	1092
1603	1.25	10.9	6.7	940

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

✓ 1 – 500 ML PLASTIC COMMON IONS NONE

1 – 250 ML PLASTIC METALS FILTERED - HNO_3

1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 9 2010 STATION SL-2

WEATHER p. cldy T 64° WIND NW @25 MPH

CASING TYPE ___ CASING DIAMETER ___ CASING STICKUP ___

MEASURING PT. ___ DEPTH TO WATER 52.16 TOTAL DEPTH 59.06

WELL EXCAVATION DISPOSABLE BAILER ___ OTHER ___

ONE CASING VOLUME = ___ GALLONS X 3 = 3.5 GALLONS

COMMENTS thunderstorm this morning

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1130	0			
1155	3.5	12.2	7.0	955

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

___ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

___ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 9 2010 STATION SL-3

WEATHER p. cldy T=65° WIND NW @ 25 MPH

CASING TYPE ___ CASING DIAMETER ___ CASING STICKUP ___

MEASURING PT. ___ DEPTH TO WATER 76.33 TOTAL DEPTH 88.07

WELL EXCAVATION DISPOSABLE BAILER ___ OTHER ___

ONE CASING VOLUME = ___ GALLONS X 3 = 6 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1215	0			
1300	6	12.6	6.8	2384

SAMPLE [✓ NATURAL] [✓ DUPLICATE] X-CONTAM. TRIP BLANK BLIND

6 3 – 40 ML VOA VOC HCL

2 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

2 1 – 500 ML PLASTIC COMMON IONS NONE

___ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

___ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - **RICHLAND COUNTY LANDFILL NO.** 102

DATE/TIME Oct 10, 2010 STATION SL-4

WEATHER Sunny WIND NW@5 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 78.69 TOTAL DEPTH 92.5

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 7 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1005	0			
	6	10.6	7.0	2211
1050	7	10.2	7.0	2220

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

✓ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - **RICHLAND COUNTY LANDFILL NO.** 102

DATE/TIME Oct 9, 2010 STATION SL-5

WEATHER mostly clr, T=70°F WIND NW@30 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 94.49 TOTAL DEPTH 97.0

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 6 GALLONS

COMMENTS

gal ~~TIME~~	time ~~CUMULATIVE GALLONS~~	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
0 @	1435			
6	1515	11.0	7.4	752

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 9 , 2010 STATION SL-6

WEATHER mostly cl- T=70° WIND NW@30 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER 79.31 TOTAL DEPTH 88.42

WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = 4.5 GALLONS

COMMENTS ______

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1335	0			
1354	3.0	10.5	7.15	1454
1400	3.5	10.1	7.15	1465
1405	4.0	10.2	7.15	1456
1411	4.5	11.0	7.16	1480

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

___ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

___ 1 – 500 ML PLASTIC COMMON IONS NONE

___ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

___ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 10 , 2010 STATION SL-7

WEATHER calm, sunny 70° WIND ___ @ ___ MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER 63.79 TOTAL DEPTH 75.08

WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = 5.75 GALLONS

COMMENTS ______

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1630	0			
1700	5.75	10.0	6.4	1423

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

___ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

___ 1 – 500 ML PLASTIC COMMON IONS NONE

___ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

___ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 10-10-2010 STATION SL-8

WEATHER clear, calm WIND ____ @ ____ MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 55.95 TOTAL DEPTH 58.41

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 1.25 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1115	0			
1125	0.75	11.0	6.8	2467
	bailed dry			
1300				
1307	1.25	10.9	6.7	2474

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL
____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4
____ 1 – 500 ML PLASTIC COMMON IONS NONE
____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3
____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 10 2010 STATION SL-9

WEATHER Clear T=65°F WIND NW @ 2 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 39.25 TOTAL DEPTH 45.12

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 3 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1140	0			
1200	3	10.2	6.9	2056

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL
____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4
____ 1 – 500 ML PLASTIC COMMON IONS NONE
____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3
____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 11, 2010 STATION SL-10

WEATHER overcast, rainy WIND NW @ 20 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 66.40 TOTAL DEPTH 70.0

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 1.75 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1147	0			
1201	1.75	10.0	7.7	852

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

✓ 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 11 / 2010 STATION SL-11

WEATHER slight overcast T ≈ 60° WIND SE @ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 48.14 TOTAL DEPTH 52.7

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 2.3 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
0945	0			
0955	2.5	10.1	7.6	1129

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

✓ 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 11, 2010 STATION SL-12

WEATHER Overcast T=60 WIND NW @ 20 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 37.85 TOTAL DEPTH 45.0

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 3.5 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1020	0			
1010	3.5	9.6	7.3	2248

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 10, 2010 STATION SL-13

WEATHER clear T=65 WIND ____ @ 0 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 57.67 TOTAL DEPTH 66.0

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 4.2 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1220	0			
1245	4	10.0	7.6	618

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 17, 2010 STATION SL-14

WEATHER Sprinkling gusty WIND NW @ 20 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 55.47 TOTAL DEPTH 64.0

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 4.25 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1100	0			
1122	4.25	10.7	7.7	800

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

x 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Oct 18, 2010 STATION Almond Spring

WEATHER ____ WIND ____ @ ____ MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER ____ TOTAL DEPTH ____

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1720	—	11	7.3	672

SAMPLE NATURAL DUPLICATE X-CONTAM. TRIP BLANK BLIND

____ 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS flowing into H_2O tank to discharge pipe

Sampled inlet to tank

S-5 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	Cyanide	COD
02/10/93	0745	1.0	380	345	7.1	7.0	24	4	.73	.005 U	5 U
06/23/93	650	12.5	358	464	7.8	7.0	21	2	.20	.005 U	5 U
01/04/94	1635	3.0	398	275	7.4	7.0	19	3	1.47	.005 U	5
05/11/94	1900		357 J		8.1		22	4	.82	.005 U	5 F
10/18/94	1615	10.0		301	7.7	8.0	21	4	.47	.005 U	7
06/21/95	1530	17.0	349	360	8.0 H	7.5	21	4	.68 F	.005 U	5 F
08/01/95	1625	16.0		390		7.6					
12/20/95	1500	5.0	371	390	7.8	7.5	19	4	.72		5 F
07/14/96	1650	14.0	383	400	7.7	7.6	21	18 F	.33	.005 U	5 U
11/24/96	1530		362	420	7.8	8.0	23	3	.17	.005 U	5 U
05/17/97	1715	10.0	361	400	7.8	7.8	20	2	.34	.005 U	5 U
09/13/97	1520	14.0	362	410	7.6	7.7	25	4	.24		20
05/29/98	1645	10.5	367	380	7.7	8.0	16	17	.18		5 U
12/13/98	1100	7.5	333	390	7.7	6.8	22	6	.62	.005 M	5 U
05/22/99	1130	12.0	326	360	7.7	6.9	17	4	.19	.005 M	5 U
09/25/99	1045	11.0	372	420	7.7	6.7	23	4	.16		7
05/27/00	1315	13.0	359	400	7.5	7.6	26	5	.24	.005 M	13 F
11/16/00	1415	6.0	369	430	7.9	7.4	21	5	.42		
04/28/01	1300	9.0	441	420	7.3	7.6	21	5	.52	.005 U	10
10/26/01	1730	9.0	338	370	7.5		17	5	.51		
04/27/02	1250	7.0	355	380	7.7	6.6	17	5	.75	.005 U	5
DUP			353		7.7		17	5	.74	.005 U	4
10/26/02	1055	9.0	393	420	7.6	7.3	15	5	.59		1 U
05/31/03	0945	10.5	401	420	7.4	7.5	18	5	.23	.005 U	1 U
10/04/03	0930	10.5	375	400	7.2	7.3	16	5	.29		1 U
06/05/04	1800	13.0	381	430	7.6	7.8	20	5	.16	.005 U	3
12/02/04	1545	7.0	359	405	7.2	7.5	17	6	.59		3
05/14/05	0840	8.0	363	400	7.8	6.8	18	6	.51	.005 U	1
09/10/05	1110	12.5	373	365	7.7	7.0	19	7	.18		2
10/09/06	0935	9.0	394	388	7.5	6.9	20	6	.36		1 U
10/09DUP			398		7.5		20	6	.36		2
04/21/07	0815	7.5	400	387	7.6		20	7	.76	.005 U	2
04/21/DUP			399		7.5		19	7	.75	.005 U	2
10/13/07	0920	9.0	407	393	7.3	7.5	19	7	.38		2

S-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

S-5 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	Cyanide	COD
05/08/09	1145	8.0	399	393	7.4	7.6	20	6	.54	.005 U	5
11/30/09	1130	7.0	394	383	7.6	7.2	15	7	.45		5 U
04/15/10	1542	6.4	391	369	7.6	7.4	17	7	.57	.005 U	5 U
10/08/10	1530	11.0	395	367	7.6	7.4	19	6	.24		5 U

S-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

S-5 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/10/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/18/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 J	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/24/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/29/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/15/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/08/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 ORGANICS - TABLE ONE LIST

S-5

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/10/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/04/94	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/18/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/24/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/29/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/06DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/30/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/15/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/08/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

S-5

ORGANICS - TABLE ONE LIST

S-5 RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/10/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
01/04/94	50 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/18/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/24/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/29/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/15/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/08/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 ORGANICS - TABLE ONE LIST

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1050	24.92	11.5	1170	1202	6.5	6.6	27	25	1.24	.005 U	27
06/23/93	1200	23.55	11.5	1780	1650	6.8	6.6	19	153	.60	.005 U	105
01/04/94	1515	23.42	10.0	538	498	6.7	7.0	27	16	10.6	.005 U	19
05/11/94	1445	23.31		605 F		6.8		56	15	4.7	.005 U	70 F
05/11/94 D				398 F		6.8		49	17	4.6	.005 U	141 F
10/19/94	1500	23.33	11.0	821	717	7.4	6.6	27	14	47	.005 U	88
06/21/95	1405	28.01	11.0	936	793	6.7	6.6	28	11	14.6 F	.005 U	66 F
08/01/95	1815	27.71	11.5		940		6.5					
12/20/95	1545	28.15	11.0	1050	1050	6.7	6.6	21	12	35		171 F
07/13/96	1150	28.43	11.0	1210	1350	6.6	6.6	25	38 F	22	.005 U	89
11/23/96	1050	28.62	7.0	1340	1450	6.8	6.7	25	15	42	.005 U	126
05/17/97	1015	27.74	11.0	1270	1290	6.6	6.4	23	15	26	.005 U	50
09/12/97	1820	27.95	12.0	1170	1220	6.7	6.5	41	9	25		36 F
05/30/98	1430	27.88	11.0	1250	1300	6.7	6.6	28	17	17.6		20
12/13/98	1155	28.39	11.0	960	1030	6.6	6.2	21	6	12	.005 M	14
05/21/99	1655	27.96	11.5	1060	1130	6.7	7.0	27	9	12	.005 M	22
05/21/99 D				1070		6.7		28	9	13	.005 M	27
09/23/99	1350	28.30	12.0	1220	1240	6.6	6.6	27	12	21.5		20
05/27/00	1240	28.77	11.0	1110	1220	6.8	7.0	28	12	27.5	.005 M	35 F
11/16/00	1245	28.95	9.0	R	1150	6.9	6.4	22	10	39.9		
04/28/01	1220	27.01	13.0	1220	1330	6.5	6.9	35	8	2.82	.005 U	21
10/26/01	1700	27.99	9.5	874	1010	6.7		22	7	7.00		
04/26/02	1830	28.45	10.5	1220	1330	6.8	6.5	23	10	9.97	.005 U	12
10/26/02	0815	28.67	9.5	1140	1170	6.8	6.9	18	7	29.8		1 U
05/31/03	0630	28.93	10.5	949	980	6.6	6.7	15	6	16.2	.005 U	2
10/03/03	1800	29.06	12.0	824	920	6.5	6.5	15	6	20.2		4
06/05/04	1720	28.33	11.0	1290	1420	6.8	6.7	45	14	12.8	.005 U	19
12/02/04	1520	28.91	9.5	1050	1180	6.5	6.9	24	8	11.8		16
05/13/05	1415	29.15	11.0	848	880	6.8	7.0	16	4	19.9	.005 U	13
09/09/05	1815	29.23	11.5	845	849	6.9	7.4	20	5	22.3		22
04/22/06	0930	29.35	12.0	721	804	6.9	7.2	16	4	13.1	.005 U	8
10/07/06	1205	29.25	11.5	891	857	6.7	7.2	21	5	16.8		20
04/21/07	0910	29.49	10.0	1010	984	6.7	6.8	22	6	31.4	.005 U	13
10/13/07	1058	29.50	10.0	921	898	6.5	7.0	19	5	30.7		9

SL-1

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
04/12/08	1550	29.67	11.0	918	916	6.6	7.0	23	5	**25.5**	.005 U	27
09/19/08	1810	29.82	11.0	819	810	6.3	6.8	16	7	**25.2**		4
05/08/09	1535	28.94	11.0	877	928	6.6	6.2	26	5	**13.1**	.005 U	16
11/30/09	1445	29.84	8.0	634	610	6.5	6.6	11	2	6.35 D		31
04/16/10	1252	27.64	10.3	1020	994	6.7	6.6	52	2	**33.8**	.005 U	11
10/08/10	1603	28.73	10.8	1190	990	6.8	6.7	204	5	7.49		16

lab error?

SL-1

PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	11	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
05/30/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/21/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/08/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	9	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	8	5 U	1 U	1 U	2 U	1 U	31	1 U	1 U	1 U	1 U	5	25 U	10 U
01/04/94	2 U	1 U	2	5 U	1	1 U	2 U	1 U	2	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 J	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 M	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	3.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	2.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/30/09	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/16/10	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/08/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-1 ORGANICS - TABLE ONE LIST

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1
01/04/94	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
05/30/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/08/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1715	49.80	11.5	1410		6.6	6.7	50	22	9	.005 U	16
06/23/93	1700	49.35	12.5	1460	1360	7.0	6.8	45	18	6.6	.005 U	8
01/05/94	1230	48.43	9.5	1420	1035	7.3	7.2	26	40	7.7	.005 U	31
05/11/94	1650	48.25	14.0	1350 F	1333	7.3	6.8	36	19	5.8	.005 U	14 F
10/19/94	1310	47.95	11.5	1110	944	7.6	7.0	29	23	4.6	.005 U	17
06/21/95	1305	49.40	12.0	1390	1169	7.0	6.8	56	13	6.66 F	.005 U	18 F
08/01/95	1730	49.30	13.0		1280		6.8					
12/20/95	1630	49.47	11.0	1270	1200	7.0	6.4		10	3.02		71 F
07/13/96	1340	51.47	13.0	1300	1360	6.9	6.8	67	14 F	4.7	.005 U	41
07/13/96 D			13.0	1310	1350	6.9	6.8	67	60 F	4.5	.005 U	35
11/23/96	1215	51.64	9.0	1240	1400	6.8	6.9	74	19	3.8	.005 U	41
05/17/97	1200	51.21	13.0	1280	1340	6.9	6.8	39	36	6.2	.005 U	50
09/13/97	1305	51.16	13.5	1420	1470	6.9	7.0	42	74	6.8		34 F
05/31/98	1320	51.19	13.5	2470	2600	6.9	7.1	37	230	17.8		32
12/13/98	1015	51.44	10.5	1600	1670	6.8	6.4	46	119	8.49	.005 U	17
05/21/99	1400	51.25	12.5	1980	2300	6.8	7.1	44	166	25	.005 U	45
09/24/99	1015	51.50	12.0	2260	2350	6.8	6.6	29	290	13.4		19
09/24/99 D				2130		6.8		31	282	10.7		25
05/27/00	1045	51.73	12.5	1480	1630	6.9	6.9	57	112	7.38	.005 M	19 F
05/27/00 D				1540		6.9		59	112	7.51	.005 M	12 F
11/16/00	1410	51.92	8.5	1330	1500	7.2	6.7	57	70	5.94		
11/16/00 D				1320		7.1		54	72	5.53		
04/27/01	1700	51.24	13.0	1330	1400	6.9	6.6	49	79	9.11	.005 U	17
10/27/01	1430	51.20	10.5	1690	1980	6.9		54	166	18.4		
10/27/01 D				1680		6.9		54	170	18.6		
04/26/02	1925	51.45	11.0	1330	1450	7.0	6.5	45	61	7.37	.005 U	1 U
10/25/02	1500	51.64	10.0	1340	1340	7.3	7.4	54	40	5.16		1 U
05/31/03	0725	51.82	10.5	1340	1350	6.8	6.8	60	48	5.61	.005 U	1 U
10/03/03	1725	51.97	13.5	1220	1320	6.8	6.6	66	40	5.29		1 U
06/05/04	1600	51.57	13.0	1140	1250	6.9	7.2	48	57	6.96	.005 U	6
12/03/04	1350	51.92	11.0	1060	1155	6.7	6.8	44	34	3.58		5
12/03/04DUP				1060		6.8		44	34	3.48		4
05/13/05	1530	52.08	12.0	1110	1160	7.0	7.0	53	31	4.23	.005 U	5
09/10/05	1010	52.11	12.5	1130	1092	7.2	7.2	50	25	4.41		5

SL-2 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/22/06	0800	52.30	11.0	1040	1156	7.1	7.2	64	28	5.12	.005 U	3
10/07/06	1308	52.31	11.5	1130	1090	6.9	7.2	59	30	4.16		5
04/21/07	1130	52.44	10.5	1210	1170	6.8	6.8	70	34	4.79	.005 U	6
10/12/07	1700	52.53	9.5	1220	1173	7.0	7.1	77	38	4.35		4
04/13/08	1455	52.63	10.0	1230	1246	6.8	6.8	88	46	4.72	.005 U	11
09/19/08	1700	52.81	10.5	1270	1224	6.6	6.9	89	47	5.23		4
05/08/09	1630	52.76	11.0	1270	1255	6.8	6.1	97	50	5.41	.005 U	7
11/30/09	1420	52.98	8.0	1180	1170	6.9	7.0	81	53	5.11		14
04/16/10	1352	52.50	11.2	1170	1135	7.0	6.8	98	49	5.2	.005 U	5
10/09/10	1155	52.16	12.2	965	955	7.1	7.0	65	31	3.34		6

SL-2 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	ChlorO dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	1 U	14 U	2 U	1 U	1 U	1 U	1	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	2	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/24/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
05/27/00 D	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U

SL-2 **ORGANICS - TABLE ONE LIST**

SL-2 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	ChlorO dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
10/09/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-2 ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	3	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	1	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
07/13/96 D	1 U	1 U	1 U	5 U	1 J	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
05/27/00 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/16/00 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04DUP	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/30/09	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-2 ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/16/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-2 ORGANICS - TABLE ONE LIST

SL-2 RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	32 U	5 U	1 U	1 U	2 U	19	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	11	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
07/13/96 D	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/13/97	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	8	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 X	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/24/99 D	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
05/27/00 D	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	8.9	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	7.4	1 U	1.1	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	4.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	4.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	5.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	4.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	5.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	5.2	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	6.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	5.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	4.6	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	4.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	4.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	5.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U

SL-2 ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	**4.6**	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/09/10	20 U	20 U	1 U	1 U	1 U	1 U	**4.7**	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U

SL-2 **ORGANICS - TABLE ONE LIST**

1 U

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1530	73.46	10.0	2063	2070	6.7	6.9	24	108	9.2	.005 U	15
06/23/93	1530	73.41	11.0	2070	1620	6.9	6.8	21	116	8.4	.005 U	10
01/05/94	0945	73.11	8.5	1800	1560	6.9	7.1	17	127	8.0	.005 U	16
05/11/94	1210	72.92	11.5		1944	7.1	7.0	24	136	6.8	.005 U	21 F
10/19/94	1115	72.57	10.0	1810	1417	7.1	7.1	16	134	6.4	.005 U	24
06/21/95	1125	75.66	10.5	2070	1980	7.0	6.8	18	116	5.27 F	.005 U	18 F
08/01/95	1600	75.60	12.5		2300		6.8					
12/20/95	0830	75.52	10.0	2170	1910	7.1	6.7	16	142	5.3		44 F
07/13/96	1725	75.54	13.0	2130	2450	7.2	6.8	25	259 F	6.5	.005 U	57
11/25/96	0915	75.57	4.0	2200	2600	7.1	7.1	24	162	4.6	.005 U	14
05/17/97	1430	75.42	12.0	2040	2400	7.0	6.9	20	162	5.7	.005 U	42
09/13/97	1100	75.18	12.0	2090	2400	7.0	7.4	24	166	4.2		21 F
05/30/98	1040	75.18	12.0	2360	2500	7.0	6.7	16	174	5.16		22
12/12/98	1125	75.33	11.0	2300	2200	6.9	6.6	30	159	4.81	.005 M	30
05/21/99	0955	75.27	10.5	2390	2800	7.0	6.6	18	176	2.37	.005 M	70
09/23/99	1030	75.25	12.0	2580	2800	6.9	6.7	5 U	182	1.89		48
05/26/00	1645	75.38	12.0	2560	3000	6.8	6.8	26	238	3.00	.005 M	33 F
11/17/00	1030		10.0	2580	3000	6.9		24	309	2.95		
04/27/01	1840	75.57	13.0	2700	3000	6.7	6.5	21	359	2.11	.005 U	29
10/27/01	1045	75.18	9.5	2930	3300	6.8		26	399	1.93		
04/26/02	1740	75.14	10.5	2920	3300	6.8	6.9	14	418	.59	.005 U	21
10/25/02	1645	75.35	10.0	3370	3700	7.0	6.2	12	497	.67		41
05/30/03	1620	75.53	13.0	3670	3950	6.6	6.9	17	582	1.56	.005 U	16
10/03/03	1045	75.63	12.0	3340	3650	6.6	6.4	16	640	1.43		12
06/05/04	1115	75.49	12.0	3370	4000	6.8	6.4	19	645	1.98	.005 U	48
12/02/04	1250	75.67	10.0	3410	3990	6.6	6.7	19	617	1.19		25
05/13/05	1320	75.71	11.0	3460	3850	6.9	6.8	21	602	0.96	.005 U	12
09/09/05	1520	75.78	11.5	3330	3440	7.3	7.4	20	578	0.89		15
04/22/06	1200	75.91	13.0	2830	3320	6.9	7.2	19	547	.82	.005 U	8
10/09/06	1210	75.95	11.0	3260	3130	6.8	7.6	20	516	.80		27
04/21/07	1030	76.02	10.5	3330	3170	6.8	6.5	22	529	.65	.005 U	15
10/12/07	1620	76.09	10.0	3230	3220	6.7	6.9	18	468	.35		10

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/12/08	1703	76.18	10.5	2990	3000	6.7	6.6	17	447	.79	.005 U	18
09/19/08	1620	76.25	10.5	2840	2665	6.6	6.8	20	426	.52		9
05/08/09	1735	76.29	11.0	2810	2683	6.8	6.0	20	382	.81	0	17
12/02/09	1045	76.44	9.0	2510	2570	6.8	6.8	14	300	.58		15
04/17/10	1744	76.49	11.5	2500	2434	6.8	6.7	15	276	.48	.005 U	9
4/17DUP				2570		6.8		16	307	.50		9
07/25/10	1800	76.41	10.9		2305		6.8					
10/09/10	1300	76.33	12.6	2480	2384	6.9	6.8	19	280	.64		14
10/9/DUP				2430		6.8		19	262	.51		14

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	3	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	3	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	2	1 J	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
05/30/98	20 B	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/17/00	20 U	20 U	1.0	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	3.5	1 U	1 U	1 U
04/27/01	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
10/27/01	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
04/26/02	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U
10/25/02	20 U	20 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	2.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	2.2	1 U	1 U	1 U
10/03/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1.9	1 U	1 U	1 U
06/0504	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.2	1 U	1 U	1 U
09/09/05	20 U	20 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/22/06	20 U	20 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
10/09/06	20 U	20 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
10/12/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U

SL-3 **ORGANICS - TABLE ONE LIST**

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/17/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
4/17DUP	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
07/25/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
7/25/DUP	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1J	1 U	1 U	1 U	1 J	1.4	1 U	1 U	1 U
10/09/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 U
10/9/DUP	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	8	1	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	13	1 U	2 U	1 U	1	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	4	4	2 U	1 U	1 J	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	4	3	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	10	4	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	3	5	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	3.4	**9.4**	1 U	1 J	**5.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	3.6	**9.7**	1 U	1 U	**7.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	3.3	**8.0**	1 U	1 J	**6.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	2.5	**6.2**	1 U	1 U	**5.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	3.2	**5.0**	1 U	1 U	**5.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	2.9	**6.4**	1 U	1 U	**7.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	3.9	**5.7**	1 U	1 U	**7.6**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
06/0504	1 U	1 U	1 U	1 U	3.3	**4.8**	1 J	1 U	**7.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	4.6	**2.8**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	4.1	**4.4**	1 U	1 U	**5.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**4.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	3.4	**3.4**	1 U	1 U	**3.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	3.8	**3.7**	1 U	1 U	**4.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	2.6	**3.7**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	4.5	**3.2**	1 U	1 U	**3.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**3.7**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	**3.6**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	3.3	**3.1**	1 U	1 U	**2.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	3.1	**3.4**	1 U	1 U	**3.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**3.7**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	**3.6**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	3.3	**3.1**	1 U	1 U	**2.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	3.1	**3.4**	1 U	1 U	**3.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/17/10	1 U	1 U	1 U	1 U	2.6	**2.8**	1 U	1 U	**2.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
4/17DUP	1 U	1 U	1 U	1 U	2.6	**2.7**	1 U	1 U	**2.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
07/25/10	1 U	1 U	1 U	1 U	3.6	**3.5**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
7/25/DUP	1 U	1 U	1 U	1 U	4.8	**4.7**	1 U	1J	**3.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/09/10	1 U	1 U	1 U	1 U	3.5	**3.5**	1 U	1 U	**2.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/9/DUP	1 U	1 U	1 U	1 U	3.7	**3.6**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3 **ORGANICS - TABLE ONE LIST**

SL-3 RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	15	1 U	1 U	2 U	3	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	32	1 U	1 U	1 U	3	1 U	1 U	1 U	1	3	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	31	1 U	1 U	1 U	3	1 U	3	1 U	1 U	3	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	15	1 U	1 U	1 U	3	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	8	1 U	1 U	1 U	2	1 U	2	1 U	1 U	2	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	14	1 U	1 U	1 U	2	1 J	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	13	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	25 X	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	26	1 U	1 U	1 U	3	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	48 X	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	32 B	1 U	1 U	1 U	2	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	28 B	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	23 B	1 U	1 U	1 U	3	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	9 B	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	40 B	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	59 B	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	2.4	1 U	1 U	1 U	4.6	1 U	2.1	1 U	1 J	1.7	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1.1	1 U	1 U	1 U	7.4	1 U	2.8	1 U	1.2	2.1	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1.1	1 U	1 U	1 U	7.0	1 U	2.6	1 U	1.1	2.2	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	6.6	1 U	2.0	1 U	1 J	1.4	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.2	1 U	1 U	1 U	5.8	1 U	2.1	1 U	1 J	1.5	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.6	1 U	1 U	1 U	8.5	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1.4	1 U	1 U	1 U	8.5	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
06/0504	20 U	20 U	1.2	1 U	1 U	1 U	6.2	1 U	1.9	1 U	1.2	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	4.0	1 U	1.2	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	7.4	1 U	1.7	1 U	1.4	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	7.8	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	5.8	1 U	1.5	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	7.4	1 U	1.4	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	8.5	1 U	1.5	1 U	1.2	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	8.4	1 U	1.7	1 U	1.4	1.0	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.7	1 U	1.2	1.0	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	6.2	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1.4	1 U	1.2	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	8.4	1 U	1.7	1 U	1.4	1.0	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.7	1 U	1.2	1.0	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	6.2	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1.4	1 U	1.2	1 J	1 U	1 U	1 U	1 U

SL-3 ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/17/10	20 U	20 U	1 J	1 U	1 U	1 U	6.4	1 U	1.2	1 U	1 J	1 J	1 U	1 U	1 U	1 U
4/17DUP	20 U	20 U	1 J	1 U	1 U	1 U	6.8	1 U	1.3	1 U	1.0	1 J	1 U	1 U	1 U	1 U
07/25/10	20 U	20 U	1 J	1 U	1 U	1 U	7.8	1 U	1.6	1 U	1.2	1 J	1 U	1 U	1 U	1 U
7/25/DUP	20 U	20 U	1 J	1 U	1 U	1 U	10	1 U	2.0	1 U	1.5	1.1	1 U	1 U	1 U	1 U
10/09/10	20 U	20 U	1 U	1 U	1 U	1 U	8.8	1 U	1.6	1 U	1.2	1 J	1 U	1 U	1 U	1 U
10/9/DUP	20 U	20 U	1 U	1 U	1 U	1 U	9.0	1 U	1.7	1 U	1.2	1 J	1 U	1 U	1 U	1 U

SL-4

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	no$_3$ + no$_2$ as N	cyanide	cod
				lab	field	lab	field					
10/21/94	1330	77.29	10.0	1850	1407	7.1	7.2	57	189	12	.005 U	45
06/20/95	1615	76.96	9.5	2380	2170	7.0	7.0	66	246	5.09 F	.005 U	20 F
08/01/95	1500	76.91	11.0		2400		6.9					
12/20/95	1030	77.06	9.5	2450	2300	7.1	7.0	62	278	12		72 F
07/14/96	1500	77.33	11.0	2530	2700	6.9	6.8	75	489 F	16	.005 U	18
11/25/96	1220	77.49	6.0	2490	2800	7.0	6.9	84	268	12.6	.005 U	20
05/18/97	1030	77.47	9.5	2390	2800	6.9	7.3	78	277	13	.005 U	39
05/18/97 D				2160		7.0		78	270	13	.005 U	48
09/12/97	1650	77.40	10.5	2470	2800	6.9	7.0	81	262	9.7		17 F
05/30/98	1250	77.39	11.0	2500	2700	6.9	6.8	132	197	13.6		11
05/30/98 D				2430		7.0		134	207	13.6		13
12/12/98	1315	77.48	10.0	2490	2700	6.8	6.8	146	167	13.9	.005 M	32
05/21/99	1205	77.50	10.0	2490	2800	6.9	7.1	162	167	14	.005 M	61
09/23/99	1210	77.52	10.0	2550	2700	6.8	6.8	160	168	12.5		50
05/26/00	1840	77.60	10.0	2390	2800	6.9	6.8	212	197	12.0	.005 M	56 F
11/17/00	1200	77.72	9.0	2340	2900	7.2		200	188	12.0		
04/28/01	0845	77.75	10.5	2430	2800	6.9	7.5	220	192	10.8	.005 U	21
10/27/01	1155	77.52	9.5	2480	2800	6.9		221	197	10.4		
04/27/02	0950	77.42	10.0	2500	2800	7.0	6.5	167	211	11.4	.005 U	11
10/25/02	1810	77.54	8.5	2670	3000	7.2	6.1	146	226	11.7		21
05/30/03	1345	77.74	11.5	2720	3000	6.8	7.1	149	208	12.2	.005 U	20
10/03/03	1205	77.83	11.0	2440	3000	6.9	6.7	133	200	12.1		13
06/05/04	1000	77.78	12.0	2470	2800	6.9	6.4	181	181	12.4	.005 U	46
12/02/04	1435	77.83	9.5	2450	2800	6.7	6.8	172	186	11.4		19
05/13/05	1140	77.94	10.5	2470	2900	7.3	7.2	169	184	11.6	.005 U	15
09/09/05	1700	78.00	11.0	2400	2430	7.3	7.3	169	178	13.9		17
04/22/06	1740	78.13	13.0	2130	2445	7.1	7.5	167	1 U	13.5	.005 U	16
10/09/06	1640	78.22	10.5	2480	2430	7.0	7.4	176	162	19.1		17
04/21/07	1620	78.32	10.0	2490	2425	7.0	6.7	176	144	17.9	.005 U	16
10/12/07	1505	78.41	7.0	2480	2390	6.9	7.0	182	125	16.6		21
04/12/08	1817	78.51	10.0	2370	2383	7.0	6.9	199	119	17.7	.005 U	23
09/20/08	1020	78.59	11.0	2380	2365	6.9	6.0	222	105	14.1		18
9/20/DUP				2380		6.9		223	105	13.9		17
05/09/09	1200	78.74	10.5	2350	2314	7.1	6.2	270	94	13.9	.005 U	14
12/02/09	845	78.83	9.0	2260	2260	7.1	6.8	292	80	14.0		37

SL-4 **PHSYICAL PARAMETERS, IONS, & NUTRIENTS**

SL-4

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/17/10	1235	78.92	9.9	2300	2263	7.0	6.9	322	74	16.3	.005 U	19
07/25/10	1445	78.80	9.5		2156		7.1					
10/10/10	1050	78.69	10.2	2320	2220	7.0	7.0	362	66	13.0		23

SL-4

PHSYICAL PARAMETERS, IONS, & NUTRIENTS

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
10/21/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
11/25/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
05/18/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/18/97 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/30/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
07/25/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/10/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-4

ORGANICS - TABLE ONE LIST

SL-4 RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
10/21/94	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	5	1 U	4	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	4	1 U	4	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/18/97	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/18/97 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	4	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98 D	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	3	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 M	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	1 U	1 J	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 J	1.1	1 U	1 U	1.7	1 U	2.1	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1.0	1 U	1 U	1.7	1 U	2.2	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 J	1 U	1 U	1.2	1 U	1.5	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.5	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.8	1 U	1.9	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.8	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.4	1 U	1.4	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.3	1 U	1.4	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.2	1 U	1.6	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.4	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.2	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.1	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1.1	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
9/20/DUP	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/09/09	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/17/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
07/25/10	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/10/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-4 ORGANICS - TABLE ONE LIST

SL-4 RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
10/21/94	20 J	10 J	5 U	1 U	1 U	1 U	13	1 J	1	1 U	1 J	2	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 J	1 U	1 U	1 U	26	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 X	1 U	1 U	1 U	30	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 X	1 U	1 U	1 U	33	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	5 U	1 U	1 U	1 U	31	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
11/25/96 D	20 U	20 U	5 U	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/18/97	20 U	20 U	5 X	1 U	1 U	1 U	29	1 U	2	1 U	1	3	1 U	10 U	1 U	1 U
05/18/97 D	20 U	20 U	5 X	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 B	1 U	1 U	1 U	34	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 B	1 U	1 U	1 U	39	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
05/30/98 D	20 U	20 U	5 B	1 U	1 U	1 U	38	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	36	1 U	2	1 U	1	2	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 B	1 U	1 U	1 U	27	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 B	1 U	1 U	1 U	34	1 U	1 U	1 U	1	1	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	5 B	1 U	1 U	1 U	30	1 U	1	1 U	1 J	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1.1	1 U	1 U	1 U	32	1 U	1.2	1 U	1.1	1 J	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 J	1 U	1 U	1 U	34	1 U	1.3	1 U	1.2	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 J	1 U	1 U	1 U	28	1 U	1.1	1 U	1.0	1 J	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.1	1 U	1 U	1 U	31	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.0	1 U	1 U	1 U	32	1 U	1 J	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	23	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	33	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	25	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	20	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	28	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	22	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	23	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
07/25/10	20 U	20 U	1 U	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/10/10	20 U	20 U	1 U	1 U	1 U	1 U	18	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-4 ORGANICS - TABLE ONE LIST

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
11/03/94	0900	83.03	5.0	957	734	7.5		73	20	.92	.005 U	30
06/20/95	1240	83.51	9.5	1020	803	7.4	7.1	29	15	.63 F	.005 U	57 F
08/01/95	1400	83.50	11.5		950		6.9					
12/20/95	1215	83.63	9.5	1130	950	7.5	7.2	44	20	1.19		34 F
07/13/96	1930	83.50	10.5	1050	1090	7.3	7.2	32	104 F	.95	.005 U	27
11/23/96	1445	84.11	7.0	989	1090	7.5	7.4	30	17	.60	.005 U	33
05/19/97	0950	84.02	10.0	996	1200	7.3	7.6	51	19	1.4	.005 U	57
09/12/97	1250	83.95	11.0	1150	1190	7.3	7.3	72	23	1.35		32 F
09/12/97 D				1140		7.3		63	23	1.17		63 F
05/31/98	1530	83.80	12.0	896	980	7.5	7.2	22	17	.47		25
12/12/98	1500	83.94	10.5	811	900	7.4	7.3	28	16	.88	.005 M	9
05/22/99	1050	84.95	10.0	901	1000	7.5	7.1	27	16	1.39	.005 M	44
09/24/99	1155	84.00	11.0	902	1100	7.3	7.3	21	286 R	1.01		33
05/27/00	0915	84.09	10.5	783	850	7.4	7.3	28	12	.54	.005 M	19 F
11/17/00	1345	84.22	9.0	726	830	7.7		23	11	.53		
04/28/01	1050	84.14	11.0	877	990	7.3	7.5	23	16	1.04	.005 U	21
10/27/01	1330	83.97	10.5	992	1010	7.3		34	18	1.11		
04/27/02	1135	83.78	10.0	826	890	7.4	7.4	28	12	.29	.005 U	12
10/26/02	0940	83.96	9.5	832	870	7.4	7.4	25	11	.59		13
05/30/03	1740	84.22	12.0	931	940	7.2	7.5	42	12	1.19	.005 U	5
10/03/03	1450	84.33	12.0	866	990	7.2	7.0	61	12	1.32		4
06/05/04	1500	84.16	13.0	882	970	7.4	7.3	47	13	1.05	.005 U	25
12/03/04	1245	84.33	9.5	786	800	7.1	7.2	31	11	.59		9
05/14/05	1045	84.47	10.5	795	850	7.5	7.4	3	1 U	.64	.005 U	8
09/10/05	0900	84.52	10.5	795	790	7.5	7.2	28	11	.68		11
04/22/06	1610	84.69	13.0	704	759	7.6	7.4	27	9	.61	.005 U	7
10/09/06	1515	84.74	10.5	791	761	7.4	7.0	26	10	.64		6
04/21/07	1505	84.86	10.0	763	732	7.4	7.2	22	9	.50	.005 U	9
10/13/07	1200	84.94	10.0	737	722	7.2	7.3	21	8	.43		6
04/13/08	1400	85.03	10.5	683	696	7.4	7.4	19	7	.40	.005 U	10
09/20/08	1140	85.12	11.0	685	632	7.3	6.9	25	7	.40		11
05/09/09	1315	85.27	10.5	675	654	7.4	6.6	24	6	.41	.005 U	3
12/02/09	1500	85.37	8.0	657	670	7.4	7.3	18	6	.33		8

SL-5 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	no$_3$ + no$_2$ as N	cyanide	cod
				lab	field	lab	field					
04/18/10	0841	85.40	9.4	690	664	7.4	7.3	19	6	.52	.005 U	16
10/09/10	1515	84.99	11.0		752		7.4					

SL-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-5 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
11/03/94	20 X	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 J	1 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/19/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
09/12/97 D	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/18/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
11/03/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/19/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97 D	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/09/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/18/10	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-5

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
11/03/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/19/97	20 U	20 U	5 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/18/10	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/10	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-6 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/02/09	1315	79.38	9.0	1460	1490	7.4	7.1	166	45	7.1	.005 U	15
04/18/10	0948	79.49	9.5	1530	1491	7.2	7.1	163	48	8.9	.005 U	13
07/25/10	1300	79.41	9.4		1417		7.3					
10/09/10	1411	79.31	11.0		1480		7.2					

SL-6 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-6

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/02/09	20 U	20 U	3.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/18/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
07/25/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1J	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/09/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-6

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/02/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/18/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
07/25/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/10	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-6

ORGANICS - TABLE ONE LIST

SL-6

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	12	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U
04/18/10	20 U	20 U	1 U	1 U	1 U	1 U	17	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
07/25/10	20 U	20 U	1 U	1 U	1 U	1 U	20	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/09/10	20 U	20 U	1 U	1 U	1 U	1 U	24	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-6 ORGANICS - TABLE ONE LIST

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/01/09	1541	64.03	8.0	1600	1610	7.0	6.6	154	14	8.2	.005 U	23
04/17/10	1058	64.13	9.4	1560	1504	6.9	6.9	164	12	9.2	.005 U	12
07/24/10	1701	64.15	9.5		1487		7.0					
10/10/10	1700	63.79	10.0		1423		6.9					

SL-7 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
07/24/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1J	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/10/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-7 ORGANICS - TABLE ONE LIST

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/17/10	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
07/24/10	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/10/10	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-7

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	23	1 U	2.8	1 U	1 J	1.2	1 U	1 U	1 U	1 U
04/17/10	20 U	20 U	1 U	1 U	1 U	1 U	25	1 U	2.7	1 U	1 J	1.3	1 U	1 U	1 U	1 U
07/24/10	20 U	20 U	1 U	1 U	1 U	1 U	26	1 U	2.8	1 U	1 J	1.2	1 U	1 U	1 U	1 U
10/10/10	20 U	20 U	1 U	1 U	1 U	1 U	27	1 U	2.7	1 U	1 J	1.1	1 U	1 U	1 U	1 U

SL-7 ORGANICS - TABLE ONE LIST

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/01/09	1413	56.01	9.5	1850	1875	7.0	6.5	281	13	3.08	.005 U	30
04/17/10	1630	56.08	10.5	2270	2205	6.9	6.8	468	19	5.15	.005 U	20
07/24/10	1754	56.04	10.9		2325		6.9					
10/10/10	1307	55.95	10.9		2474		6.7					

SL-8

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/17/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
07/24/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
10/10/10	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U

SL-8

ORGANICS - TABLE ONE LIST

SL-8 RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/17/10	1 U	1 U	1 U	1 U	1 J	1.4	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
07/24/10	1 U	1 U	1 U	1 U	1 J	2.1	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/10/10	1 U	1 U	1 U	1 U	1 J	2.2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-8 ORGANICS - TABLE ONE LIST

SL-8

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1.1	1 U	1 U	1 U	14	1 U	1.6	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/17/10	20 U	20 U	2.1	1 U	1 U	1 U	16	1 U	1.4	1 U	1 J	1 J	1 U	1 U	1 U	1 U
07/24/10	20 U	20 U	2.7	1 U	1 U	1 U	19	1 U	1.9	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/10/10	20 U	20 U	3.3	1 U	1 U	1 U	21	1 U	2.0	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-8 ORGANICS - TABLE ONE LIST

SL-9 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/01/09	0943	39.37	7.5	2170	2180	6.9	6.4	96	196	3.48	.005 U	12
12/01/DUP				2180		6.9		96	196	3.73		18
04/16/10	1453	39.41	9.8	2220	2090	6.9	6.8	104	189	4.74	.005 U	9
07/24/10	1500	39.32	10.0		2058		6.9					
10/10/10	1200	39.25	10.2		2056		6.9					

SL-9 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-9

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/01/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
07/24/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1J	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 U
10/10/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1.6	3.7	1 U	1 U	2.3	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/01/DUP	1 U	1 U	1 U	1 U	1.4	3.8	1 U	1 U	2.2	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/16/10	1 U	1 U	1 U	1 U	1.3	3.6	1 U	1 U	1.9	1 U	1 J	1 U	1 U	1 U	20 U	1 U
07/24/10	1 U	1 U	1 U	1 U	1.7	4.0	1 U	1 U	2.1	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/10/10	1 U	1 U	1 U	1 U	1.6	3.8	1 U	1 U	2.0	1 U	1 J	1 U	1 U	1 U	20 U	1 U

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	10	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/01/DUP	20 U	20 U	1 U	1 U	1 U	1 U	9.3	1 U	1.4	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/16/10	20 U	20 U	1 U	1 U	1 U	1 U	8.6	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
07/24/10	20 U	20 U	1 U	1 U	1 U	1 U	9.0	1 U	1.4	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/10/10	20 U	20 U	1 U	1 U	1 U	1 U	10	1 U	1.4	1 U	1 J	1 J	1 U	1 U	1 U	1 U

	SAMPLE DATE	Sample Time	water level (ft)	water temp	field ph	field C umhos/cm
SL-10	07/02/10	1650	66.50	10.6	7.6	865
	10/11/10	1201	66.40	10.0	7.7	852
SL-11	07/27/10	1945	48.39	10.8	7.6	1127
	10/11/10	955	48.14	10.1	7.6	1129
SL-12	06/03/08	1615	38.37	10.0	7.6	1441
	10/11/10	1010	37.85	9.6	7.3	2248
SL-13	07/28/10	1845	57.65	10.7	7.6	650
	10/10/10	1245	57.67	10.0	7.6	618
SL-14	07/30/10	1235	55.72	10.1	7.6	809
	10/11/10	1122	55.47	10.7	7.7	800
Almomd's Spring	10/10/10	1720		11.0	7.3	672

SL-10 to SL-14

	SAMPLE DATE	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	2,2 hloro ne	Tetra chloro ethene	Toluen	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Viny acet	Vinyl chloride	Xylenes
SL-10	07/02/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
	10/11/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
SL-11	07/27/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
	10/11/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
SL-12	06/03/08	20 J	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 J
	10/11/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
SL-13	07/28/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
	10/10/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
SL-14	07/30/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
	7/30DUP	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
	10/11/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U

	SAMPLE DATE	Sample Time	water level (ft)	water temp	field ph	field C umhos/cm
SL-10	07/02/10	1650	66.50	10.6	7.6	865
	10/11/10	1201	66.40	10.0	7.7	852
SL-11	07/27/10	1945	48.39	10.8	7.6	1127
	10/11/10	955	48.14	10.1	7.6	1129
SL-12	06/03/08	1615	38.37	10.0	7.6	1441
	10/11/10	1010	37.85	9.6	7.3	2248
SL-13	07/28/10	1845	57.65	10.7	7.6	650
	10/10/10	1245	57.67	10.0	7.6	618
SL-14	07/30/10	1235	55.72	10.1	7.6	809
	10/11/10	1122	55.47	10.7	7.7	800
Almomd's Spring	10/10/10	1720		11.0	7.3	672

SL-10 to SL-14

	SAMPLE DATE	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	T-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	T-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	T-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Iodo methane	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluen	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Viny acet	Vinyl chloride	Xylenes
SL-10	07/02/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
	10/11/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
SL-11	07/27/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
	10/11/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
SL-12	06/03/08	20 J	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	20 J	20 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 J
	10/11/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
SL-13	07/28/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
	10/10/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
SL-14	07/30/10	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
	7/30DUP	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U
	10/11/10	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 L	1 U	1 U

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ANALYTICAL SUMMARY REPORT

October 27, 2010

Richland County Health Dept
1201 W Holly St Ste 5
Sidney, MT 59270-3596

Workorder No.: B10101180 Quote ID: B2223 - Landfill

Project Name: Landfill #102

Energy Laboratories Inc received the following 17 samples for Richland County Health Dept on 10/13/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B10101180-001	S-5	10/08/10 15:30	10/13/10	Ground Water	Chemical Oxygen Demand Conductivity Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH 8260-Volatile Organic Comp, 40 CFR Part 258 App I
B10101180-002	SL-1	10/08/10 16:03	10/13/10	Ground Water	Same As Above
B10101180-003	SL-2	10/09/10 11:55	10/13/10	Ground Water	Same As Above
B10101180-004	SL-3	10/09/10 13:00	10/13/10	Ground Water	Same As Above
B10101180-005	SL-4	10/10/10 10:50	10/13/10	Ground Water	Same As Above
B10101180-006	SL-5	10/09/10 15:15	10/13/10	Ground Water	8260-Volatile Organic Comp, 40 CFR Part 258 App I
B10101180-007	SL-6	10/09/10 14:11	10/13/10	Ground Water	Same As Above
B10101180-008	SL-7	10/10/10 17:00	10/13/10	Ground Water	Same As Above
B10101180-009	SL-8	10/10/10 13:07	10/13/10	Ground Water	Same As Above
B10101180-010	SL-9	10/10/10 12:00	10/13/10	Ground Water	Same As Above
B10101180-011	SL-10	10/11/10 12:01	10/13/10	Ground Water	Same As Above
B10101180-012	SL-11	10/11/10 9:55	10/13/10	Ground Water	Same As Above
B10101180-013	SL-12	10/11/10 10:10	10/13/10	Ground Water	Same As Above
B10101180-014	SL-13	10/10/10 12:45	10/13/10	Ground Water	Same As Above
B10101180-015	SL-14	10/11/10 11:22	10/13/10	Ground Water	Same As Above
B10101180-016	DUP	10/09/10 0:00	10/13/10	Ground Water	Chemical Oxygen Demand Conductivity Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH 8260-Volatile Organic Comp, 40 CFR Part 258 App I
B10101180-017	Trip Blank Lot092910 B-TS SHP0251	10/08/10 15:30	10/13/10	Trip Blank	8260-Volatile Organic Comp, 40 CFR Part 258 App I

This report was prepared by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

ANALYTICAL SUMMARY REPORT

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By: Cindy Rohrer
Inorganic Department Manager

Digitally signed by
Cindy Rohrer
Date: 2010.10.27 15:51:32 -06:00

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/08/10 15:30
Lab ID:	B10101180-001	**DateReceived:**	10/13/10
Client Sample ID	S-5	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.6	s.u.		0.1		A4500-H B	10/14/10 10:06 / sam
Conductivity @ 25 C	395	umhos/cm		5		A2510 B	10/14/10 10:06 / sam
INORGANICS							
Chloride	6	mg/L		1		E300.0	10/22/10 11:12 / kh
Sulfate	19	mg/L		1		E300.0	10/22/10 11:12 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	10/18/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	10/18/10 10:39 / bls
Nitrogen, Nitrate+Nitrite as N	0.24	mg/L		0.01		E353.2	10/20/10 09:59 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 10:26 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 10:26 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/08/10 15:30
Lab ID:	B10101180-001	**DateReceived:**	10/13/10
Client Sample ID	S-5	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 10:26 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 10:26 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 10:26 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 10:26 / jrj
Surr: 1,2-Dichloroethane-d4	96.0	%REC		70-130		SW8260B	10/15/10 10:26 / jrj
Surr: Dibromofluoromethane	95.0	%REC		77-126		SW8260B	10/15/10 10:26 / jrj
Surr: p-Bromofluorobenzene	94.0	%REC		76-127		SW8260B	10/15/10 10:26 / jrj
Surr: Toluene-d8	101	%REC		79-122		SW8260B	10/15/10 10:26 / jrj

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-002
Client Sample ID SL-1

Report Date: 10/27/10
Collection Date: 10/08/10 16:03
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.8	s.u.		0.1		A4500-H B	10/14/10 10:12 / sam
Conductivity @ 25 C	1190	umhos/cm		5		A2510 B	10/14/10 10:12 / sam
INORGANICS							
Chloride	5	mg/L		1		E300.0	10/22/10 11:21 / kh
Sulfate	204	mg/L		1		E300.0	10/26/10 12:45 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	16	mg/L		5		E410.4	10/18/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	10/18/10 10:42 / bls
Nitrogen, Nitrate+Nitrite as N	7.49	mg/L	D	0.06		E353.2	10/22/10 08:35 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 10:55 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 10:55 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
cis-1,2-Dichloroethene	0.33	ug/L	J	1.0		SW8260B	10/15/10 10:55 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/08/10 16:03
Lab ID:	B10101180-002	**DateReceived:**	10/13/10
Client Sample ID	SL-1	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 10:55 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 10:55 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 10:55 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 10:55 / jrj
Surr: 1,2-Dichloroethane-d4	95.0	%REC		70-130		SW8260B	10/15/10 10:55 / jrj
Surr: Dibromofluoromethane	94.0	%REC		77-126		SW8260B	10/15/10 10:55 / jrj
Surr: p-Bromofluorobenzene	95.0	%REC		76-127		SW8260B	10/15/10 10:55 / jrj
Surr: Toluene-d8	101	%REC		79-122		SW8260B	10/15/10 10:55 / jrj

Report Definitions:	RL - Analyte reporting limit. QCL - Quality control limit.	MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/09/10 11:55
Lab ID:	B10101180-003	**DateReceived:**	10/13/10
Client Sample ID	SL-2	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.1	s.u.		0.1		A4500-H B	10/14/10 10:15 / sam
Conductivity @ 25 C	965	umhos/cm		5		A2510 B	10/14/10 10:15 / sam
INORGANICS							
Chloride	31	mg/L		1		E300.0	10/22/10 11:31 / kh
Sulfate	65	mg/L		1		E300.0	10/22/10 11:31 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	6	mg/L		5		E410.4	10/18/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	10/18/10 10:43 / bls
Nitrogen, Nitrate+Nitrite as N	3.34	mg/L	D	0.06		E353.2	10/20/10 10:02 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 11:24 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 11:24 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Chloroform	0.87	ug/L	J	1.0		SW8260B	10/15/10 11:24 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Dichlorodifluoromethane	0.38	ug/L	J	1.0		SW8260B	10/15/10 11:24 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-003
Client Sample ID SL-2

Report Date: 10/27/10
Collection Date: 10/09/10 11:55
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 11:24 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 11:24 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 11:24 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Tetrachloroethene	4.7	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
1,1,1-Trichloroethane	0.46	ug/L	J	1.0		SW8260B	10/15/10 11:24 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Trichlorofluoromethane	0.21	ug/L	J	1.0		SW8260B	10/15/10 11:24 / jrj
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 11:24 / jrj
Surr: 1,2-Dichloroethane-d4	97.0	%REC		70-130		SW8260B	10/15/10 11:24 / jrj
Surr: Dibromofluoromethane	96.0	%REC		77-126		SW8260B	10/15/10 11:24 / jrj
Surr: p-Bromofluorobenzene	95.0	%REC		76-127		SW8260B	10/15/10 11:24 / jrj
Surr: Toluene-d8	102	%REC		79-122		SW8260B	10/15/10 11:24 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/09/10 13:00
Lab ID:	B10101180-004	**DateReceived:**	10/13/10
Client Sample ID	SL-3	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500-H B	10/14/10 10:18 / sam
Conductivity @ 25 C	2480	umhos/cm		5		A2510 B	10/14/10 10:18 / sam
INORGANICS							
Chloride	280	mg/L	D	2		E300.0	10/23/10 06:56 / kh
Sulfate	19	mg/L		1		E300.0	10/22/10 11:40 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	14	mg/L		5		E410.4	10/18/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	10/18/10 10:45 / bls
Nitrogen, Nitrate+Nitrite as N	0.64	mg/L		0.01		E353.2	10/20/10 10:03 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 11:53 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 11:53 / jrj
Benzene	0.52	ug/L	J	1.0		SW8260B	10/15/10 11:53 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Chloroethane	0.41	ug/L	J	1.0		SW8260B	10/15/10 11:53 / jrj
Chloroform	1.0	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Dichlorodifluoromethane	3.5	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,1-Dichloroethane	3.5	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
cis-1,2-Dichloroethene	2.8	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,2-Dichloropropane	0.47	ug/L	J	1.0		SW8260B	10/15/10 11:53 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-004
Client Sample ID SL-3

Report Date: 10/27/10
Collection Date: 10/09/10 13:00
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 11:53 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 11:53 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 11:53 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Tetrachloroethene	8.8	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,1,1-Trichloroethane	1.6	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Trichloroethene	1.2	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Trichlorofluoromethane	0.92	ug/L	J	1.0		SW8260B	10/15/10 11:53 / jrj
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 11:53 / jrj
Surr: 1,2-Dichloroethane-d4	95.0	%REC		70-130		SW8260B	10/15/10 11:53 / jrj
Surr: Dibromofluoromethane	94.0	%REC		77-126		SW8260B	10/15/10 11:53 / jrj
Surr: p-Bromofluorobenzene	93.0	%REC		76-127		SW8260B	10/15/10 11:53 / jrj
Surr: Toluene-d8	102	%REC		79-122		SW8260B	10/15/10 11:53 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-005
Client Sample ID SL-4

Report Date: 10/27/10
Collection Date: 10/10/10 10:50
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.1		A4500-H B	10/14/10 10:21 / sam
Conductivity @ 25 C	2320	umhos/cm		5		A2510 B	10/14/10 10:21 / sam
INORGANICS							
Chloride	66	mg/L		1		E300.0	10/22/10 11:50 / kh
Sulfate	362	mg/L		1		E300.0	10/22/10 11:50 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	23	mg/L		5		E410.4	10/18/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	10/18/10 10:46 / bls
Nitrogen, Nitrate+Nitrite as N	13.0	mg/L	D	0.1		E353.2	10/20/10 10:04 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 12:22 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 12:22 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Chloroform	0.65	ug/L	J	1.0		SW8260B	10/15/10 12:22 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Dichlorodifluoromethane	0.46	ug/L	J	1.0		SW8260B	10/15/10 12:22 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
cis-1,2-Dichloroethene	0.30	ug/L	J	1.0		SW8260B	10/15/10 12:22 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
1,2-Dichloropropane	0.43	ug/L	J	1.0		SW8260B	10/15/10 12:22 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than th reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-005
Client Sample ID SL-4

Report Date: 10/27/10
Collection Date: 10/10/10 10:50
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 12:22 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 12:22 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 12:22 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Tetrachloroethene	18	ug/L		5.0		SW8260B	10/18/10 11:44 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
1,1,1-Trichloroethane	0.22	ug/L	J	1.0		SW8260B	10/15/10 12:22 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Trichloroethene	0.57	ug/L	J	1.0		SW8260B	10/15/10 12:22 / jrj
Trichlorofluoromethane	0.36	ug/L	J	1.0		SW8260B	10/15/10 12:22 / jrj
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 12:22 / jrj
Surr: 1,2-Dichloroethane-d4	97.0	%REC		70-130		SW8260B	10/15/10 12:22 / jrj
Surr: Dibromofluoromethane	95.0	%REC		77-126		SW8260B	10/15/10 12:22 / jrj
Surr: p-Bromofluorobenzene	98.0	%REC		76-127		SW8260B	10/15/10 12:22 / jrj
Surr: Toluene-d8	102	%REC		79-122		SW8260B	10/15/10 12:22 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/09/10 15:15
Lab ID:	B10101180-006	**DateReceived:**	10/13/10
Client Sample ID	SL-5	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 12:51 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 12:51 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Dichlorodifluoromethane	0.29	ug/L	J	1.0		SW8260B	10/15/10 12:51 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 12:51 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 12:51 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 12:51 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Tetrachloroethene	0.36	ug/L	J	1.0		SW8260B	10/15/10 12:51 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/09/10 15:15
Lab ID:	B10101180-006	**DateReceived:**	10/13/10
Client Sample ID	SL-5	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 12:51 / jrj
Surr: 1,2-Dichloroethane-d4	94.0	%REC		70-130		SW8260B	10/15/10 12:51 / jrj
Surr: Dibromofluoromethane	94.0	%REC		77-126		SW8260B	10/15/10 12:51 / jrj
Surr: p-Bromofluorobenzene	91.0	%REC		76-127		SW8260B	10/15/10 12:51 / jrj
Surr: Toluene-d8	101	%REC		79-122		SW8260B	10/15/10 12:51 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-007
Client Sample ID SL-6

Report Date: 10/27/10
Collection Date: 10/09/10 14:11
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 13:20 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 13:20 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Chloroform	0.45	ug/L	J	1.0		SW8260B	10/15/10 13:20 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Dichlorodifluoromethane	0.55	ug/L	J	1.0		SW8260B	10/15/10 13:20 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
cis-1,2-Dichloroethene	0.36	ug/L	J	1.0		SW8260B	10/15/10 13:20 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 13:20 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 13:20 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 13:20 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Tetrachloroethene	24	ug/L		5.0		SW8260B	10/15/10 22:05 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
1,1,1-Trichloroethane	0.29	ug/L	J	1.0		SW8260B	10/15/10 13:20 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Trichloroethene	0.57	ug/L	J	1.0		SW8260B	10/15/10 13:20 / jrj
Trichlorofluoromethane	0.29	ug/L	J	1.0		SW8260B	10/15/10 13:20 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/09/10 14:11
Lab ID:	B10101180-007	**DateReceived:**	10/13/10
Client Sample ID	SL-6	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 13:20 / jrj
Surr: 1,2-Dichloroethane-d4	94.0	%REC		70-130		SW8260B	10/15/10 13:20 / jrj
Surr: Dibromofluoromethane	96.0	%REC		77-126		SW8260B	10/15/10 13:20 / jrj
Surr: p-Bromofluorobenzene	93.0	%REC		76-127		SW8260B	10/15/10 13:20 / jrj
Surr: Toluene-d8	102	%REC		79-122		SW8260B	10/15/10 13:20 / jrj

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/10/10 17:00
Lab ID:	B10101180-008	**DateReceived:**	10/13/10
Client Sample ID	SL-7	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 13:49 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 13:49 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Chloroform	0.35	ug/L	J	1.0		SW8260B	10/15/10 13:49 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Dichlorodifluoromethane	0.51	ug/L	J	1.0		SW8260B	10/15/10 13:49 / jrj
1,1-Dichloroethane	0.59	ug/L	J	1.0		SW8260B	10/15/10 13:49 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
cis-1,2-Dichloroethene	0.22	ug/L	J	1.0		SW8260B	10/15/10 13:49 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 13:49 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 13:49 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 13:49 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Tetrachloroethene	27	ug/L		5.0		SW8260B	10/15/10 22:35 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
1,1,1-Trichloroethane	2.7	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Trichloroethene	0.67	ug/L	J	1.0		SW8260B	10/15/10 13:49 / jrj
Trichlorofluoromethane	1.1	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/10/10 17:00
Lab ID:	B10101180-008	**DateReceived:**	10/13/10
Client Sample ID	SL-7	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 13:49 / jrj
Surr: 1,2-Dichloroethane-d4	96.0	%REC		70-130		SW8260B	10/15/10 13:49 / jrj
Surr: Dibromofluoromethane	94.0	%REC		77-126		SW8260B	10/15/10 13:49 / jrj
Surr: p-Bromofluorobenzene	95.0	%REC		76-127		SW8260B	10/15/10 13:49 / jrj
Surr: Toluene-d8	103	%REC		79-122		SW8260B	10/15/10 13:49 / jrj

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-009
Client Sample ID SL-8

Report Date: 10/27/10
Collection Date: 10/10/10 13:07
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 14:20 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 14:20 / jrj
Benzene	0.37	ug/L	J	1.0		SW8260B	10/15/10 14:20 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Chloroethane	0.49	ug/L	J	1.0		SW8260B	10/15/10 14:20 / jrj
Chloroform	0.83	ug/L	J	1.0		SW8260B	10/15/10 14:20 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Dichlorodifluoromethane	0.44	ug/L	J	1.0		SW8260B	10/15/10 14:20 / jrj
1,1-Dichloroethane	2.2	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
cis-1,2-Dichloroethene	0.94	ug/L	J	1.0		SW8260B	10/15/10 14:20 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 14:20 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 14:20 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 14:20 / jrj
Methylene chloride	3.3	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Tetrachloroethene	21	ug/L		5.0		SW8260B	10/16/10 03:57 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
1,1,1-Trichloroethane	2.0	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Trichloroethene	0.91	ug/L	J	1.0		SW8260B	10/15/10 14:20 / jrj
Trichlorofluoromethane	0.58	ug/L	J	1.0		SW8260B	10/15/10 14:20 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/10/10 13:07
Lab ID:	B10101180-009	**DateReceived:**	10/13/10
Client Sample ID	SL-8	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 14:20 / jrj
Surr: 1,2-Dichloroethane-d4	95.0	%REC		70-130		SW8260B	10/15/10 14:20 / jrj
Surr: Dibromofluoromethane	96.0	%REC		77-126		SW8260B	10/15/10 14:20 / jrj
Surr: p-Bromofluorobenzene	95.0	%REC		76-127		SW8260B	10/15/10 14:20 / jrj
Surr: Toluene-d8	101	%REC		79-122		SW8260B	10/15/10 14:20 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-010
Client Sample ID SL-9

Report Date: 10/27/10
Collection Date: 10/10/10 12:00
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 14:49 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 14:49 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Chloroethane	0.26	ug/L	J	1.0		SW8260B	10/15/10 14:49 / jrj
Chloroform	0.98	ug/L	J	1.0		SW8260B	10/15/10 14:49 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Dichlorodifluoromethane	1.6	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,1-Dichloroethane	3.8	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
cis-1,2-Dichloroethene	2.0	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,2-Dichloropropane	0.33	ug/L	J	1.0		SW8260B	10/15/10 14:49 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 14:49 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 14:49 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 14:49 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Tetrachloroethene	10	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,1,1-Trichloroethane	1.4	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Trichloroethene	0.95	ug/L	J	1.0		SW8260B	10/15/10 14:49 / jrj
Trichlorofluoromethane	0.58	ug/L	J	1.0		SW8260B	10/15/10 14:49 / jrj

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/10/10 12:00
Lab ID:	B10101180-010	**DateReceived:**	10/13/10
Client Sample ID	SL-9	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 14:49 / jrj
Surr: 1,2-Dichloroethane-d4	96.0	%REC		70-130		SW8260B	10/15/10 14:49 / jrj
Surr: Dibromofluoromethane	96.0	%REC		77-126		SW8260B	10/15/10 14:49 / jrj
Surr: p-Bromofluorobenzene	94.0	%REC		76-127		SW8260B	10/15/10 14:49 / jrj
Surr: Toluene-d8	101	%REC		79-122		SW8260B	10/15/10 14:49 / jrj

Report Definitions:	RL - Analyte reporting limit. QCL - Quality control limit.	MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-011
Client Sample ID SL-10

Report Date: 10/27/10
Collection Date: 10/11/10 12:01
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 15:18 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 15:18 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 15:18 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 15:18 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 15:18 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/11/10 12:01
Lab ID:	B10101180-011	**DateReceived:**	10/13/10
Client Sample ID	SL-10	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 15:18 / jrj
Surr: 1,2-Dichloroethane-d4	97.0	%REC		70-130		SW8260B	10/15/10 15:18 / jrj
Surr: Dibromofluoromethane	95.0	%REC		77-126		SW8260B	10/15/10 15:18 / jrj
Surr: p-Bromofluorobenzene	96.0	%REC		76-127		SW8260B	10/15/10 15:18 / jrj
Surr: Toluene-d8	100	%REC		79-122		SW8260B	10/15/10 15:18 / jrj

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-012
Client Sample ID SL-11

Report Date: 10/27/10
Collection Date: 10/11/10 09:55
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 15:47 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 15:47 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 15:47 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 15:47 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 15:47 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/11/10 09:55
Lab ID:	B10101180-012	**DateReceived:**	10/13/10
Client Sample ID	SL-11	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 15:47 / jrj
Surr: 1,2-Dichloroethane-d4	98.0	%REC		70-130		SW8260B	10/15/10 15:47 / jrj
Surr: Dibromofluoromethane	97.0	%REC		77-126		SW8260B	10/15/10 15:47 / jrj
Surr: p-Bromofluorobenzene	96.0	%REC		76-127		SW8260B	10/15/10 15:47 / jrj
Surr: Toluene-d8	102	%REC		79-122		SW8260B	10/15/10 15:47 / jrj

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-013
Client Sample ID SL-12

Report Date: 10/27/10
Collection Date: 10/11/10 10:10
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 16:15 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 16:15 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 16:15 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 16:15 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 16:15 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/11/10 10:10
Lab ID:	B10101180-013	**DateReceived:**	10/13/10
Client Sample ID	SL-12	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 16:15 / jrj
Surr: 1,2-Dichloroethane-d4	99.0	%REC		70-130		SW8260B	10/15/10 16:15 / jrj
Surr: Dibromofluoromethane	96.0	%REC		77-126		SW8260B	10/15/10 16:15 / jrj
Surr: p-Bromofluorobenzene	98.0	%REC		76-127		SW8260B	10/15/10 16:15 / jrj
Surr: Toluene-d8	103	%REC		79-122		SW8260B	10/15/10 16:15 / jrj

- The sample was received in the laboratory with a pH > 2. The pH was 7.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-014
Client Sample ID SL-13

Report Date: 10/27/10
Collection Date: 10/10/10 12:45
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 16:44 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 16:44 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 16:44 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 16:44 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 16:44 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-014
Client Sample ID SL-13

Report Date: 10/27/10
Collection Date: 10/10/10 12:45
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 16:44 / jrj
Surr: 1,2-Dichloroethane-d4	99.0	%REC		70-130		SW8260B	10/15/10 16:44 / jrj
Surr: Dibromofluoromethane	98.0	%REC		77-126		SW8260B	10/15/10 16:44 / jrj
Surr: p-Bromofluorobenzene	97.0	%REC		76-127		SW8260B	10/15/10 16:44 / jrj
Surr: Toluene-d8	104	%REC		79-122		SW8260B	10/15/10 16:44 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-015
Client Sample ID SL-14

Report Date: 10/27/10
Collection Date: 10/11/10 11:22
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 17:13 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 17:13 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 17:13 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 17:13 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 17:13 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-015
Client Sample ID SL-14

Report Date: 10/27/10
Collection Date: 10/11/10 11:22
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 17:13 / jrj
Surr: 1,2-Dichloroethane-d4	96.0	%REC		70-130		SW8260B	10/15/10 17:13 / jrj
Surr: Dibromofluoromethane	96.0	%REC		77-126		SW8260B	10/15/10 17:13 / jrj
Surr: p-Bromofluorobenzene	94.0	%REC		76-127		SW8260B	10/15/10 17:13 / jrj
Surr: Toluene-d8	98.0	%REC		79-122		SW8260B	10/15/10 17:13 / jrj

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-016
Client Sample ID DUP SL-3

Report Date: 10/27/10
Collection Date: 10/09/10
DateReceived: 10/13/10
Matrix: Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.8	s.u.		0.1		A4500-H B	10/14/10 10:26 / sam
Conductivity @ 25 C	2430	umhos/cm		5		A2510 B	10/14/10 10:26 / sam
INORGANICS							
Chloride	262	mg/L	D	2		E300.0	10/23/10 07:25 / kh
Sulfate	19	mg/L		1		E300.0	10/22/10 12:00 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	14	mg/L		5		E410.4	10/18/10 11:30 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	10/18/10 10:47 / bls
Nitrogen, Nitrate+Nitrite as N	0.51	mg/L		0.01		E353.2	10/20/10 09:56 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 17:42 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 17:42 / jrj
Benzene	0.54	ug/L	J	1.0		SW8260B	10/15/10 17:42 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Chloroethane	0.45	ug/L	J	1.0		SW8260B	10/15/10 17:42 / jrj
Chloroform	1.1	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Dichlorodifluoromethane	3.7	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,1-Dichloroethane	3.6	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
cis-1,2-Dichloroethene	2.9	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,2-Dichloropropane	0.46	ug/L	J	1.0		SW8260B	10/15/10 17:42 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/09/10
Lab ID:	B10101180-016	**DateReceived:**	10/13/10
Client Sample ID	DUP	**Matrix:**	Ground Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 17:42 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 17:42 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 17:42 / jrj
Methylene chloride	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Tetrachloroethene	9.0	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,1,1-Trichloroethane	1.7	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Trichloroethene	1.2	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Trichlorofluoromethane	0.94	ug/L	J	1.0		SW8260B	10/15/10 17:42 / jrj
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 17:42 / jrj
Surr: 1,2-Dichloroethane-d4	98.0	%REC		70-130		SW8260B	10/15/10 17:42 / jrj
Surr: Dibromofluoromethane	96.0	%REC		77-126		SW8260B	10/15/10 17:42 / jrj
Surr: p-Bromofluorobenzene	93.0	%REC		76-127		SW8260B	10/15/10 17:42 / jrj
Surr: Toluene-d8	100	%REC		79-122		SW8260B	10/15/10 17:42 / jrj

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B10101180-017
Client Sample ID Trip Blank Lot092910 B-TS SHP0251

Report Date: 10/27/10
Collection Date: 10/08/10 15:30
DateReceived: 10/13/10
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	10/15/10 18:12 / jrj
Acrylonitrile	ND	ug/L		20		SW8260B	10/15/10 18:12 / jrj
Benzene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Bromochloromethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Bromodichloromethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Bromoform	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Bromomethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Carbon disulfide	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Chlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Chloroethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Chloroform	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Chloromethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Dibromomethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Ethylbenzene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
2-Hexanone	ND	ug/L		20		SW8260B	10/15/10 18:12 / jrj
Iodomethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Methyl ethyl ketone	ND	ug/L		20		SW8260B	10/15/10 18:12 / jrj
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	10/15/10 18:12 / jrj
Methylene chloride	0.67	ug/L	J	1.0		SW8260B	10/15/10 18:12 / jrj
Styrene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Tetrachloroethene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Toluene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Trichloroethene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/27/10
Project:	Landfill #102	**Collection Date:**	10/08/10 15:30
Lab ID:	B10101180-017	**DateReceived:**	10/13/10
Client Sample ID	Trip Blank Lot092910 B-TS SHP0251	**Matrix:**	Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Vinyl acetate	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Vinyl chloride	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
m+p-Xylenes	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
o-Xylene	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Xylenes, Total	ND	ug/L		1.0		SW8260B	10/15/10 18:12 / jrj
Surr: 1,2-Dichloroethane-d4	95.0	%REC		70-130		SW8260B	10/15/10 18:12 / jrj
Surr: Dibromofluoromethane	95.0	%REC		77-126		SW8260B	10/15/10 18:12 / jrj
Surr: p-Bromofluorobenzene	94.0	%REC		76-127		SW8260B	10/15/10 18:12 / jrj
Surr: Toluene-d8	101	%REC		79-122		SW8260B	10/15/10 18:12 / jrj

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/27/10
Work Order: B10101180

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B									Batch: R155474
Sample ID: SC 150	Laboratory Control Sample				Run: PHSC _101-B_101014A				10/14/10 07:26
Conductivity @ 25 C	158	umhos/cm	5.0	105	90	110			
Sample ID: SC 5000	Laboratory Control Sample				Run: PHSC _101-B_101014A				10/14/10 07:29
Conductivity @ 25 C	5050	umhos/cm	5.0	101	90	110			
Sample ID: SC 20000	Laboratory Control Sample				Run: PHSC _101-B_101014A				10/14/10 07:32
Conductivity @ 25 C	20000	umhos/cm	5.0	100	90	110			
Sample ID: MBLK	Method Blank				Run: PHSC _101-B_101014A				10/14/10 07:38
Conductivity @ 25 C	3	umhos/cm							
Sample ID: B10101180-001ADUP	Sample Duplicate				Run: PHSC _101-B_101014A				10/14/10 10:09
Conductivity @ 25 C	395	umhos/cm	5.0				0	10	
Sample ID: B10101180-005ADUP	Sample Duplicate				Run: PHSC _101-B_101014A				10/14/10 10:23
Conductivity @ 25 C	2320	umhos/cm	5.0				0.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/27/10
Work Order: B10101180

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Batch: R155474	
Sample ID: pH 4	Laboratory Control Sample				Run: PHSC _101-B_101014A			10/14/10 07:16	
pH	3.99	s.u.	0.10	100	97	103			
Sample ID: pH 7	Laboratory Control Sample				Run: PHSC _101-B_101014A			10/14/10 07:19	
pH	7.01	s.u.	0.10	100	98	102			
Sample ID: B10101180-001ADUP	Sample Duplicate				Run: PHSC _101-B_101014A			10/14/10 10:09	
pH	7.64	s.u.	0.10				0.3	10	
Sample ID: B10101180-005ADUP	Sample Duplicate				Run: PHSC _101-B_101014A			10/14/10 10:23	
pH	7.06	s.u.	0.10				0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/27/10
Work Order: B10101180

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E300.0**									Analytical Run: IC202-B_101018A
Sample ID: **ICV101810-11**	Initial Calibration Verification Standard								10/18/10 14:14
Chloride	24.3	mg/L	1.0	97	90	110			
Sulfate	104	mg/L	1.0	104	90	110			
Method: **E300.0**									Batch: R155741
Sample ID: **ICB101810-12**	Method Blank				Run: IC202-B_101018A				10/18/10 14:23
Chloride	0.2	mg/L	0.02						
Sulfate	ND	mg/L	0.2						
Sample ID: **LFB101810-13**	Laboratory Fortified Blank				Run: IC202-B_101018A				10/18/10 14:33
Chloride	23.4	mg/L	1.0	93	90	110			
Sulfate	105	mg/L	1.1	105	90	110			
Sample ID: **B10101139-007AMS**	Sample Matrix Spike				Run: IC202-B_101018A				10/22/10 09:54
Chloride	38.6	mg/L	1.0	102	90	110			
Sulfate	135	mg/L	1.1	113	90	110			S
Sample ID: **B10101139-007AMSD**	Sample Matrix Spike Duplicate				Run: IC202-B_101018A				10/22/10 10:04
Chloride	38.9	mg/L	1.0	103	90	110	0.6	20	
Sulfate	135	mg/L	1.1	114	90	110	0.5	20	S
Sample ID: **B10101180-016AMS**	Sample Matrix Spike				Run: IC202-B_101018A				10/22/10 12:29
Sulfate	137	mg/L	1.1	118	90	110			S
Sample ID: **B10101180-016AMSD**	Sample Matrix Spike Duplicate				Run: IC202-B_101018A				10/22/10 12:38
Sulfate	135	mg/L	1.1	116	90	110	1.3	20	S
Sample ID: **B10101180-016AMS**	Sample Matrix Spike				Run: IC202-B_101018A				10/23/10 07:34
Chloride	561	mg/L	2.7	120	90	110			S
Sulfate	1240	mg/L	11	122	90	110			S
Sample ID: **B10101180-016AMSD**	Sample Matrix Spike Duplicate				Run: IC202-B_101018A				10/23/10 07:44
Chloride	562	mg/L	2.7	109	90	110	0.2	20	
Sulfate	1250	mg/L	11	123	90	110	0.4	20	S

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/27/10
Work Order: B10101180

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0							Analytical Run: IC202-B_101025A		
Sample ID: ICV102510-11	Initial Calibration Verification Standard							10/25/10 14:29	
Sulfate	104	mg/L	1.0	104	90	110			
Method: E300.0								Batch: R156100	
Sample ID: ICB102510-12	Method Blank				Run: IC202-B_101025A			10/25/10 14:39	
Sulfate	ND	mg/L	0.2						
Sample ID: LFB102510-13	Laboratory Fortified Blank				Run: IC202-B_101025A			10/25/10 14:48	
Sulfate	105	mg/L	1.1	105	90	110			
Sample ID: B10101884-001AMS	Sample Matrix Spike				Run: IC202-B_101025A			10/26/10 13:04	
Sulfate	556	mg/L	1.1		90	110			A
Sample ID: B10101884-001AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_101025A			10/26/10 13:14	
Sulfate	562	mg/L	1.1		90	110	1.2	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/27/10
Work Order: B10101180

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1										Analytical Run: FIA203-B_101018A
Sample ID: ICV	Initial Calibration Verification Standard									10/18/10 09:41
Nitrogen, Ammonia as N		8.90	mg/L	0.30	105	90	110			
Method: E350.1										Batch: R155684
Sample ID: MBLK	Method Blank					Run: FIA203-B_101018A				10/18/10 09:43
Nitrogen, Ammonia as N		ND	mg/L	0.03						
Sample ID: LFB	Laboratory Fortified Blank					Run: FIA203-B_101018A				10/18/10 09:44
Nitrogen, Ammonia as N		1.03	mg/L	0.050	104	90	110			
Sample ID: B10101180-001BMS	Sample Matrix Spike					Run: FIA203-B_101018A				10/18/10 10:40
Nitrogen, Ammonia as N		0.951	mg/L	0.050	97	90	110			
Sample ID: B10101180-001BMSD	Sample Matrix Spike Duplicate					Run: FIA203-B_101018A				10/18/10 10:41
Nitrogen, Ammonia as N		0.948	mg/L	0.050	97	90	110	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/27/10
Work Order: B10101180

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E353.2**					Analytical Run: FIA203-B_101020A				
Sample ID: **ICV**	Initial Calibration Verification Standard							10/20/10 09:49	
Nitrogen, Nitrate+Nitrite as N	30.4	mg/L	0.20	103	90	110			
Method: **E353.2**								Batch: R155834	
Sample ID: **MBLK**	Method Blank				Run: FIA203-B_101020A			10/20/10 09:50	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.004						
Sample ID: **LFB**	Laboratory Fortified Blank				Run: FIA203-B_101020A			10/20/10 09:51	
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.010	103	90	110			
Sample ID: **B10101180-016BMS**	Sample Matrix Spike				Run: FIA203-B_101020A			10/20/10 09:57	
Nitrogen, Nitrate+Nitrite as N	1.55	mg/L	0.010	106	90	110			
Sample ID: **B10101180-016BMSD**	Sample Matrix Spike Duplicate				Run: FIA203-B_101020A			10/20/10 09:58	
Nitrogen, Nitrate+Nitrite as N	1.52	mg/L	0.010	104	90	110	1.5	10	
Method: **E353.2**					Analytical Run: FIA203-B_101022A				
Sample ID: **ICV**	Initial Calibration Verification Standard							10/22/10 08:24	
Nitrogen, Nitrate+Nitrite as N	29.0	mg/L	0.20	99	90	110			
Method: **E353.2**								Batch: R155975	
Sample ID: **MBLK**	Method Blank				Run: FIA203-B_101022A			10/22/10 08:25	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.004						
Sample ID: **LFB**	Laboratory Fortified Blank				Run: FIA203-B_101022A			10/22/10 08:26	
Nitrogen, Nitrate+Nitrite as N	0.998	mg/L	0.010	102	90	110			
Sample ID: **B10101483-014BMS**	Sample Matrix Spike				Run: FIA203-B_101022A			10/22/10 08:32	
Nitrogen, Nitrate+Nitrite as N	1.04	mg/L	0.010	103	90	110			
Sample ID: **B10101483-014BMSD**	Sample Matrix Spike Duplicate				Run: FIA203-B_101022A			10/22/10 08:33	
Nitrogen, Nitrate+Nitrite as N	1.03	mg/L	0.010	101	90	110	1.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/27/10
Work Order: B10101180

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E410.4**									Batch: R155768
Sample ID: **MB-R155768**	Method Blank				Run: SPEC_101018A				10/18/10 11:30
Oxygen Demand, Chemical (COD)	ND	mg/L	5						
Sample ID: **LCS-R155768**	Laboratory Control Sample				Run: SPEC_101018A				10/18/10 11:30
Oxygen Demand, Chemical (COD)	87.4	mg/L	5.0	105	90	110			
Sample ID: **B10101109-015BMS**	Sample Matrix Spike				Run: SPEC_101018A				10/18/10 11:30
Oxygen Demand, Chemical (COD)	25.4	mg/L	5.0	104	90	110			
Sample ID: **B10101109-015BMSD**	Sample Matrix Spike Duplicate				Run: SPEC_101018A				10/18/10 11:30
Oxygen Demand, Chemical (COD)	26.1	mg/L	5.0	107	90	110	2.7	10	
Sample ID: **B10101180-016BMS**	Sample Matrix Spike				Run: SPEC_101018A				10/18/10 11:30
Oxygen Demand, Chemical (COD)	36.5	mg/L	5.0	92	90	110			
Sample ID: **B10101180-016BMSD**	Sample Matrix Spike Duplicate				Run: SPEC_101018A				10/18/10 11:30
Oxygen Demand, Chemical (COD)	37.8	mg/L	5.0	98	90	110	3.5	10	
Sample ID: **LFB**	Laboratory Fortified Blank				Run: SPEC_101018A				10/18/10 11:30
Oxygen Demand, Chemical (COD)	24.5	mg/L	5.0	100	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/26/10
Work Order: B10101180

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW8260B**									Batch: R155609
Sample ID: **LCS101510**	Laboratory Control Sample				Run: SV5972.I_101015B				10/15/10 08:31
Acetone	51.6	ug/L	20	103	62	130			
Acrylonitrile	50.8	ug/L	20	102	60	130			
Benzene	5.72	ug/L	1.0	114	71	133			
Bromochloromethane	5.12	ug/L	1.0	102	68	131			
Bromodichloromethane	5.40	ug/L	1.0	108	67	138			
Bromoform	5.44	ug/L	1.0	109	64	136			
Bromomethane	6.44	ug/L	1.0	129	60	138			
Carbon disulfide	5.40	ug/L	1.0	108	46	145			
Carbon tetrachloride	5.92	ug/L	1.0	118	61	144			
Chlorobenzene	5.96	ug/L	1.0	119	78	136			
Chlorodibromomethane	5.76	ug/L	1.0	115	72	136			
Chloroethane	6.16	ug/L	1.0	123	64	136			
Chloroform	5.72	ug/L	1.0	114	69	133			
Chloromethane	5.56	ug/L	1.0	111	63	149			
1,2-Dibromo-3-chloropropane	4.48	ug/L	1.0	90	63	125			
1,2-Dibromoethane	5.80	ug/L	1.0	116	75	131			
Dibromomethane	5.72	ug/L	1.0	114	72	133			
1,2-Dichlorobenzene	5.40	ug/L	1.0	108	78	129			
1,4-Dichlorobenzene	5.32	ug/L	1.0	106	78	131			
trans-1,4-Dichloro-2-butene	4.60	ug/L	1.0	92	50	142			
Dichlorodifluoromethane	5.56	ug/L	1.0	111	55	141			
1,1-Dichloroethane	5.72	ug/L	1.0	114	72	130			
1,2-Dichloroethane	5.56	ug/L	1.0	111	57	146			
1,1-Dichloroethene	6.24	ug/L	1.0	125	66	142			
cis-1,2-Dichloroethene	5.48	ug/L	1.0	110	74	133			
trans-1,2-Dichloroethene	5.80	ug/L	1.0	116	76	138			
1,2-Dichloropropane	4.72	ug/L	1.0	94	72	135			
cis-1,3-Dichloropropene	5.12	ug/L	1.0	102	75	132			
trans-1,3-Dichloropropene	5.68	ug/L	1.0	114	77	145			
Ethylbenzene	5.76	ug/L	1.0	115	78	131			
2-Hexanone	47.6	ug/L	20	95	72	131			
Iodomethane	5.88	ug/L	1.0	118	66	132			
Methyl ethyl ketone	53.6	ug/L	20	107	55	145			
Methyl isobutyl ketone	47.6	ug/L	20	95	73	129			
Methylene chloride	5.52	ug/L	1.0	110	73	126			
Styrene	5.92	ug/L	1.0	118	76	134			
1,1,1,2-Tetrachloroethane	5.64	ug/L	1.0	113	75	135			
1,1,2,2-Tetrachloroethane	5.00	ug/L	1.0	100	72	132			
Tetrachloroethene	6.44	ug/L	1.0	129	78	137			
Toluene	5.72	ug/L	1.0	114	78	134			
1,1,1-Trichloroethane	5.92	ug/L	1.0	118	64	141			
1,1,2-Trichloroethane	4.96	ug/L	1.0	99	72	133			
Trichloroethene	5.92	ug/L	1.0	118	75	138			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/26/10
Work Order: B10101180

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R155609
Sample ID: LCS101510	Laboratory Control Sample				Run: SV5972.I_101015B				10/15/10 08:31
Trichlorofluoromethane	5.80	ug/L	1.0	116	58	139			
1,2,3-Trichloropropane	4.72	ug/L	1.0	94	67	133			
Vinyl acetate	5.68	ug/L	1.0	114	31	124			
Vinyl chloride	5.60	ug/L	1.0	112	66	140			
m+p-Xylenes	12.0	ug/L	1.0	120	78	133			
o-Xylene	5.96	ug/L	1.0	119	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	94	70	130			
Surr: Dibromofluoromethane			1.0	96	77	126			
Surr: p-Bromofluorobenzene			1.0	96	76	127			
Surr: Toluene-d8			1.0	98	79	122			
Sample ID: BLK101510	Method Blank				Run: SV5972.I_101015B				10/15/10 08:59
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/26/10
Work Order: B10101180

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R155609
Sample ID: BLK101510	Method Blank				Run: SV5972.I_101015B				10/15/10 08:59
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	90	70	130			
Surr: Dibromofluoromethane			1.0	93	77	126			
Surr: p-Bromofluorobenzene			1.0	95	76	127			
Surr: Toluene-d8			1.0	98	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 10/26/10
Project: Landfill #102 **Work Order:** B10101180

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R155694
Sample ID: lcs101810	Laboratory Control Sample				Run: 5971A.I_101018A				10/18/10 09:56
Tetrachloroethene	4.96	ug/L	1.0	99	78	137			
Surr: 1,2-Dichloroethane-d4			1.0	107	70	130			
Surr: Dibromofluoromethane			1.0	107	77	126			
Surr: p-Bromofluorobenzene			1.0	100	76	127			
Surr: Toluene-d8			1.0	101	79	122			
Sample ID: blk101810	Method Blank				Run: 5971A.I_101018A				10/18/10 11:08
Tetrachloroethene	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	105	70	130			
Surr: Dibromofluoromethane			1.0	108	77	126			
Surr: p-Bromofluorobenzene			1.0	100	76	127			
Surr: Toluene-d8			1.0	97	79	122			
Sample ID: B10101180-005CMS	Sample Matrix Spike				Run: 5971A.I_101018A				10/18/10 12:21
Acetone	218	ug/L	50	87	62	130			
Acrylonitrile	248	ug/L	50	99	60	130			
Benzene	23.4	ug/L	2.5	94	71	133			
Bromochloromethane	26.8	ug/L	2.5	107	68	131			
Bromodichloromethane	24.4	ug/L	2.5	98	67	138			
Bromoform	24.6	ug/L	2.5	98	64	136			
Bromomethane	20.0	ug/L	2.5	80	60	138			
Carbon disulfide	22.0	ug/L	2.5	88	46	145			
Carbon tetrachloride	25.2	ug/L	2.5	101	61	144			
Chlorobenzene	25.6	ug/L	2.5	102	78	136			
Chlorodibromomethane	26.8	ug/L	2.5	107	72	136			
Chloroethane	24.2	ug/L	2.5	97	64	136			
Chloroform	25.2	ug/L	2.5	101	69	133			
Chloromethane	20.8	ug/L	2.5	83	63	149			
1,2-Dibromo-3-chloropropane	21.2	ug/L	5.0	85	63	125			
1,2-Dibromoethane	25.8	ug/L	2.5	103	75	131			
Dibromomethane	25.8	ug/L	2.5	103	72	133			
1,2-Dichlorobenzene	25.2	ug/L	2.5	101	78	129			
1,4-Dichlorobenzene	24.8	ug/L	2.5	99	78	131			
trans-1,4-Dichloro-2-butene	20.6	ug/L	5.0	82	50	142			
Dichlorodifluoromethane	28.0	ug/L	2.5	112	55	141			
1,1-Dichloroethane	23.2	ug/L	2.5	93	72	130			
1,2-Dichloroethane	26.4	ug/L	2.5	106	57	146			
1,1-Dichloroethene	25.2	ug/L	2.5	101	66	142			
cis-1,2-Dichloroethene	24.4	ug/L	2.5	98	74	133			
trans-1,2-Dichloroethene	22.8	ug/L	2.5	91	76	138			
1,2-Dichloropropane	23.6	ug/L	2.5	94	72	135			
cis-1,3-Dichloropropene	24.0	ug/L	2.5	96	75	132			
trans-1,3-Dichloropropene	27.2	ug/L	2.5	109	77	145			
Ethylbenzene	24.0	ug/L	2.5	96	78	131			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/26/10
Work Order: B10101180

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R155694	
Sample ID: B10101180-005CMS	Sample Matrix Spike				Run: 5971A.I_101018A			10/18/10 12:21	
2-Hexanone	234	ug/L	50	94	72	131			
Iodomethane	24.4	ug/L	5.0	98	66	132			
Methyl tert-butyl ether (MTBE)	26.0	ug/L	2.5	104	58	151			
Methyl ethyl ketone	216	ug/L	50	86	55	145			
Methyl isobutyl ketone	236	ug/L	50	94	73	129			
Methylene chloride	24.0	ug/L	2.5	96	73	126			
Styrene	23.8	ug/L	2.5	95	76	134			
1,1,1,2-Tetrachloroethane	25.2	ug/L	2.5	101	75	135			
1,1,2,2-Tetrachloroethane	22.4	ug/L	2.5	90	72	132			
Tetrachloroethene	44.6	ug/L	2.5	106	78	137			
Toluene	23.6	ug/L	2.5	94	78	134			
1,1,1-Trichloroethane	25.6	ug/L	2.5	102	64	141			
1,1,2-Trichloroethane	25.2	ug/L	2.5	101	72	133			
Trichloroethene	24.6	ug/L	2.5	98	75	138			
Trichlorofluoromethane	26.2	ug/L	2.5	105	58	139			
1,2,3-Trichloropropane	23.2	ug/L	2.5	93	67	133			
Vinyl acetate	21.2	ug/L	5.0	85	31	124			
Vinyl chloride	23.6	ug/L	2.5	94	66	140			
m+p-Xylenes	49.2	ug/L	2.5	98	78	133			
o-Xylene	24.0	ug/L	2.5	96	79	136			
Surr: 1,2-Dichloroethane-d4			5.0	108	70	130			
Surr: Dibromofluoromethane			5.0	107	77	126			
Surr: p-Bromofluorobenzene			5.0	100	76	127			
Surr: Toluene-d8			5.0	102	79	122			
Sample ID: B10101180-005CMSD	Sample Matrix Spike Duplicate				Run: 5971A.I_101018A			10/18/10 12:58	
Acetone	230	ug/L	50	92	62	130	5.4	20	
Acrylonitrile	248	ug/L	50	99	60	130	0	20	
Benzene	22.6	ug/L	2.5	90	71	133	3.5	20	
Bromochloromethane	26.4	ug/L	2.5	106	68	131	1.5	20	
Bromodichloromethane	24.6	ug/L	2.5	98	67	138	0.8	20	
Bromoform	24.8	ug/L	2.5	99	64	136	0.8	20	
Bromomethane	22.0	ug/L	2.5	88	60	138	9.5	20	
Carbon disulfide	21.6	ug/L	2.5	86	46	145	1.8	20	
Carbon tetrachloride	24.8	ug/L	2.5	99	61	144	1.6	20	
Chlorobenzene	25.6	ug/L	2.5	102	78	136	0	20	
Chlorodibromomethane	27.4	ug/L	2.5	110	72	136	2.2	20	
Chloroethane	24.2	ug/L	2.5	97	64	136	0	20	
Chloroform	24.8	ug/L	2.5	99	69	133	1.6	20	
Chloromethane	21.4	ug/L	2.5	86	63	149	2.8	20	
1,2-Dibromo-3-chloropropane	22.0	ug/L	5.0	88	63	125	3.7	20	
1,2-Dibromoethane	27.0	ug/L	2.5	108	75	131	4.5	20	
Dibromomethane	26.0	ug/L	2.5	104	72	133	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/26/10
Work Order: B10101180

Method: **SW8260B** Batch: R155694

Sample ID: **B10101180-005CMSD** Sample Matrix Spike Duplicate Run: 5971A.I_101018A 10/18/10 12:58

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
1,2-Dichlorobenzene	25.4	ug/L	2.5	102	78	129	0.8	20	
1,4-Dichlorobenzene	25.2	ug/L	2.5	101	78	131	1.6	20	
trans-1,4-Dichloro-2-butene	20.8	ug/L	5.0	83	50	142	1	20	
Dichlorodifluoromethane	29.0	ug/L	2.5	116	55	141	3.5	20	
1,1-Dichloroethane	22.8	ug/L	2.5	91	72	130	1.7	20	
1,2-Dichloroethane	25.4	ug/L	2.5	102	57	146	3.9	20	
1,1-Dichloroethene	24.8	ug/L	2.5	99	66	142	1.6	20	
cis-1,2-Dichloroethene	24.2	ug/L	2.5	97	74	133	0.8	20	
trans-1,2-Dichloroethene	22.8	ug/L	2.5	91	76	138	0	20	
1,2-Dichloropropane	23.2	ug/L	2.5	93	72	135	1.7	20	
cis-1,3-Dichloropropene	23.8	ug/L	2.5	95	75	132	0.8	20	
trans-1,3-Dichloropropene	27.2	ug/L	2.5	109	77	145	0	20	
Ethylbenzene	25.2	ug/L	2.5	101	78	131	4.9	20	
2-Hexanone	244	ug/L	50	98	72	131	4.2	20	
Iodomethane	25.2	ug/L	5.0	101	66	132	3.2	20	
Methyl tert-butyl ether (MTBE)	24.4	ug/L	2.5	98	58	151	6.3	20	
Methyl ethyl ketone	230	ug/L	50	92	55	145	6.3	20	
Methyl isobutyl ketone	244	ug/L	50	98	73	129	3.3	20	
Methylene chloride	24.0	ug/L	2.5	96	73	126	0	20	
Styrene	25.4	ug/L	2.5	102	76	134	6.5	20	
1,1,1,2-Tetrachloroethane	26.0	ug/L	2.5	104	75	135	3.1	20	
1,1,2,2-Tetrachloroethane	23.6	ug/L	2.5	94	72	132	5.2	20	
Tetrachloroethene	45.6	ug/L	2.5	110	78	137	2.2	20	
Toluene	23.6	ug/L	2.5	94	78	134	0	20	
1,1,1-Trichloroethane	24.6	ug/L	2.5	98	64	141	4	20	
1,1,2-Trichloroethane	25.8	ug/L	2.5	103	72	133	2.4	20	
Trichloroethene	25.6	ug/L	2.5	102	75	138	4	20	
Trichlorofluoromethane	26.8	ug/L	2.5	107	58	139	2.3	20	
1,2,3-Trichloropropane	22.8	ug/L	2.5	91	67	133	1.7	20	
Vinyl acetate	21.8	ug/L	5.0	87	31	124	2.8	20	
Vinyl chloride	25.0	ug/L	2.5	100	66	140	5.8	20	
m+p-Xylenes	50.8	ug/L	2.5	102	78	133	3.2	20	
o-Xylene	25.2	ug/L	2.5	101	79	136	4.9	20	
Surr: 1,2-Dichloroethane-d4			5.0	107	70	130			
Surr: Dibromofluoromethane			5.0	106	77	126			
Surr: p-Bromofluorobenzene			5.0	102	76	127			
Surr: Toluene-d8			5.0	105	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Workorder Receipt Checklist

Richland County Health Dept

B10101180

Login completed by: Leslie S. Cadreau

Date Received: 10/13/2010

Reviewed by: BL2000\kmcdonald

Received by: lg

Reviewed Date: 10/14/2010

Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	5°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page _____ of _____

PLEASE PRINT (Provide as much information as possible.)

Company Name: Richland County

Project Name, PWS, Permit, Etc.: Landfill 102

Sample Origin State:

EPA/State Compliance: Yes ☐ No ☐

Report Mail Address: 1201 West Holly Suite #5

Contact Name: Kelly Logan

Phone/Fax: 433-6876

Email:

Sampler: (Please Print)

Invoice Address: Sidney MT 54270

Invoice Contact & Phone: KLOGAN@RICHLAND.ORG

Purchase Order:

Quote/Bottle Order:

Special Report/Formats:

☐ DW
☐ POTW/WWTP
☐ State: __________
☐ Other: __________
☐ EDD/EDT (Electronic Data) Format: __________
☐ LEVEL IV
☐ NELAC

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids
Vegetation Bioassay Other
DW - Drinking Water

ANALYSIS REQUESTED

SEE ATTACHED

Standard Turnaround (TAT)

R U S H → Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments: Logged per history J.C. 10/13/10

Shipped by: Fed UPS Grd

Cooler ID(s):

Receipt Temp 5 °C

On Ice: [✓ Y] N

Custody Seal
On Bottle Y [✓ N]
On Cooler [✓ Y] N

Intact [✓ Y] N

Signature Match [✓ Y] N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	VOC's	IONS	nutrients								LABORATORY USE ONLY
1	S-5	10/8	1530	H_2O	X	X	X								B10101180-001
2	SL-1	10/8	1603												-002
3	SL-2	10/9	1155												-003
4	SL-3	10/9	1300												-004
5	SL-4	10/10	1050		X	X	X								-005
6	SL-5	10/9	1515		X										-006
7	SL-6	10/9	1411		X										-007
8	SL-7	10/10	1700		X										-008
9	SL-8	10/10	1307		X										-009
10	SL-9	10/10	1200		X										-010

Custody Record MUST be Signed

Relinquished by (print): Kelly Logan Date/Time: 10/12/10 Signature:
Received by (print): UPS Date/Time: Signature:
Relinquished by (print): Date/Time: Signature:
Received by (print): Date/Time: Signature:
Sample Disposal: Return to Client: __________ Lab Disposal: __________
Received by Laboratory: Date/Time: 10-13-10 9:00 Signature: Laura Flanagan

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT (Provide as much information as possible.)

Company Name: Richland County	Project Name, PWS, Permit, Etc. Landfill #102	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: 1201 West Holly Suite #5	Contact Name: Kelly Logan Phone/Fax: 433-6876	Email:	Sampler: (Please Print)
Invoice Address: Sidney MT 59270	Invoice Contact & Phone: KLOGAN@richland.org	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

☐ DW
☐ POTW/WWTP
☐ State: ______
☐ Other: ______
☐ EDD/EDT (Electronic Data) Format: ______
☐ LEVEL IV
☐ NELAC

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids
Vegetation Bioassay Other
DW - Drinking Water

ANALYSIS REQUESTED

SEE ATTACHED

Standard Turnaround (TAT)

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: RRnUPSGRD
Cooler ID(s):
Receipt Temp 5 °C
On Ice: [✓ Y] N
Custody Seal
On Bottle Y [✓ N]
On Cooler [✓ Y] N
Intact [✓ Y] N
Signature Match [✓ Y] N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	VOC's	ions	nutrients								LABORATORY USE ONLY
1 SL-10	10/11	1201	H_2O											B10101180-011
2 SL-11	10/11	0955												-012
3 SL-12	10/11	1010												-013
4 SL-13	10/10	1245												-014
5 SL-14	10/11	1122												-015
6 DUP	10/9			X	X	X								-016
7 TB T50251	9-29-10													-017
8														
9														
10														

Custody Record MUST be Signed

Relinquished by (print): Kelly Logan	Date/Time: 10/12/2010	Signature:	Received by (print): UPS	Date/Time:	Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: ____	Lab Disposal: ____		**Received by Laboratory:**	Date/Time: 10-13-10 9:00	Signature: Lisa Sanchez

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

RECEIVED

FEB 0 1 2010

DEPT. OF ENVIRO. QUALITY
WASTE & UNDERGROUND TANK
MANAGEMENT BUREAU

DISTRICT SANITARIAN
RICHLAND and McCONE COUNTY HEALTH DEPARTMENTS

1201 West Holly St. Suite 5 Sidney, MT 59270 Phone: 406-433-6876

MEMORANDUM

TO: Martin Van Oort; DEQ/Permitting & Compliance/Solid Waste

FROM: Kelly Logan

DATE: January 28, 2010

SUBJECT: Richland County Landfill # 102 – Nov/Dec 2009 sampling

Groundwater samples were collected from Richland County Landfill #102 during Nov/Dec. 2009. Quality control data was satisfactory. A field duplicate was collected from SL-9. Below is a summary for landfill.

Four wells were drilled in November.

- Data from consultant will be submitted when completed.
- Well casing for SL-6 installed "chest high" and was cut down by well driller in order to sample well (used torch). "Soot" was noted on the inside of the PVC pipe. PVC pipe was also cut and PVC filings were bailed from the well during sampling.
- Galvanized piping (one inch?) was welding perpendicular to the well casing for SL-9 to keep the well casing from sinking.
- A short piece of well casing was welding to the side of the well casing on well S-7 to prevent casing from sinking.

Sampling

- Consultant purged wells with pump after the wells were drilled.
- After bailing three well casings the water from SL-9 was turbid and the water from SL-8 was muddy. Time of year and time constraints prevented additional purging.
- Specific conductance was measured periodically during bailing the new wells, readings were within 10% after bailing three casing volumes.
- Previous sampling of the established wells has shown that after three well casings have been bailed the field parameters are stable. Increased bailing does not increase the reliability of the VOC data.
- pH values were not taken during bailing due to the slow response of the meter. The meter response gets slower with colder temperatures.

- Samples were hand delivered to the laboratory to prevent any possibility of the samples from freezing.

Groundwater flow direction from the deep cells appears to be to the north-northeast with some movement to the east-southeast. Consultant will be calculating flow rate.

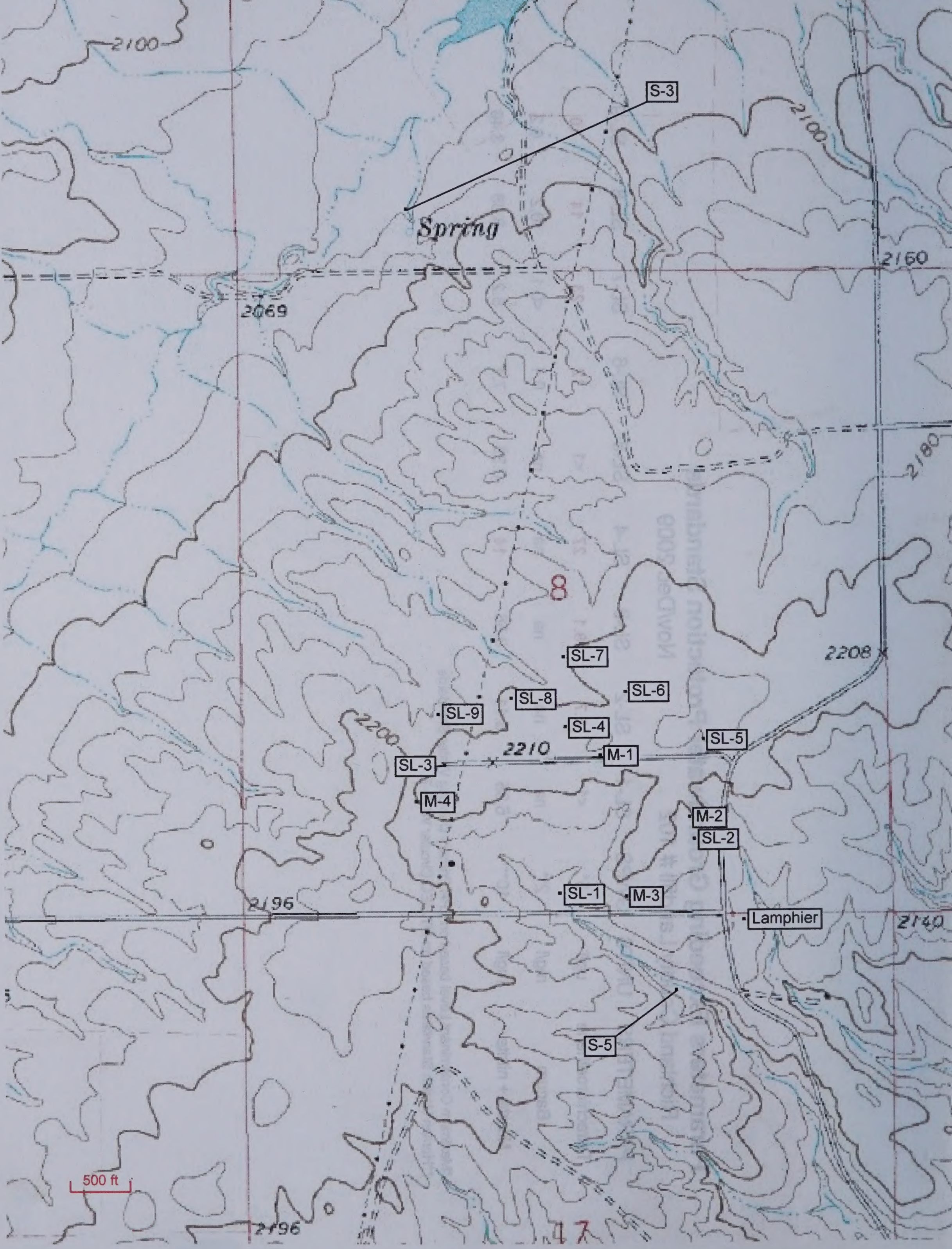
Data analysis.

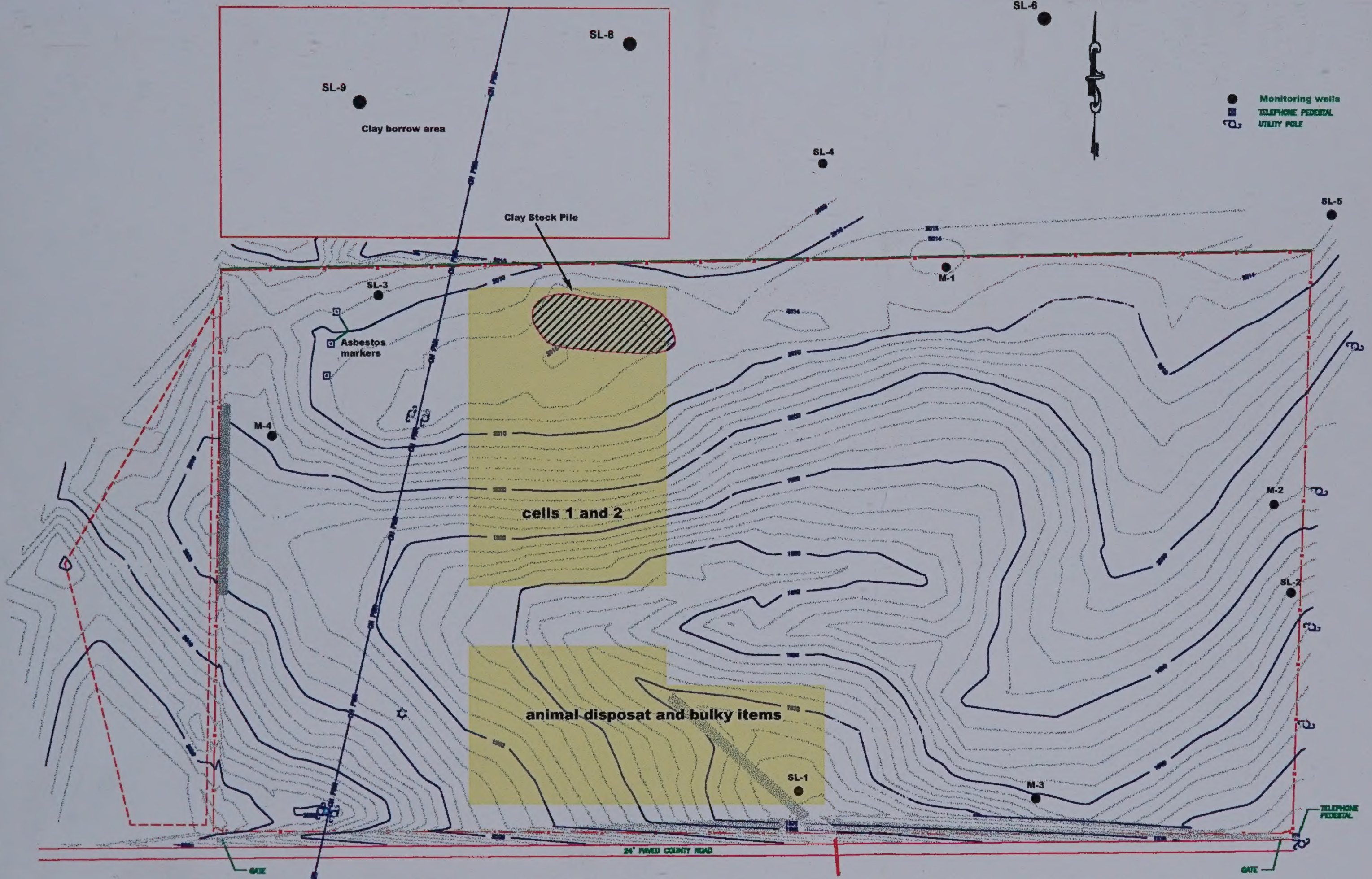
- Analytical results are similar to past events with the possible exception of SL-1. Conductivity, sulfate, and chloride values at SL-1 were similar to those values found at SL-5 and Lamphier's dug well. Probably getting close to normal background levels. Recharge in SL-1 was slow and additional time had to be given to allow the well to recharge.
- The tetrachloroethene values at SL-2, SL-3, and SL-4 were higher but correspond to previous fluctuations.
- The trend line for SL-4 is decreasing and the trend line for SL-3 is stable or decreasing slightly.
- Tetrachloroethene values at the new wells all exceeded the groundwater protection standards

SL-3	Tetrachloroethene	Trichloroethene	Cis-1,2 dichloroethene	Trans-1,2 dichloroethene Vinyl chloride
12/2/09	9.1	1.2	3.0	ND
SL-4				
12/02/09	27	0.70	0.40	ND
SL-6				
12/02/09	12	0.33	0.29	ND
SL-7				
12/01/09	23	0.92	0.53	ND
SL-8				
12/01/09	14	0.44	0.37	ND
SL-9				
12/01/09	10	0.97	2.3	ND

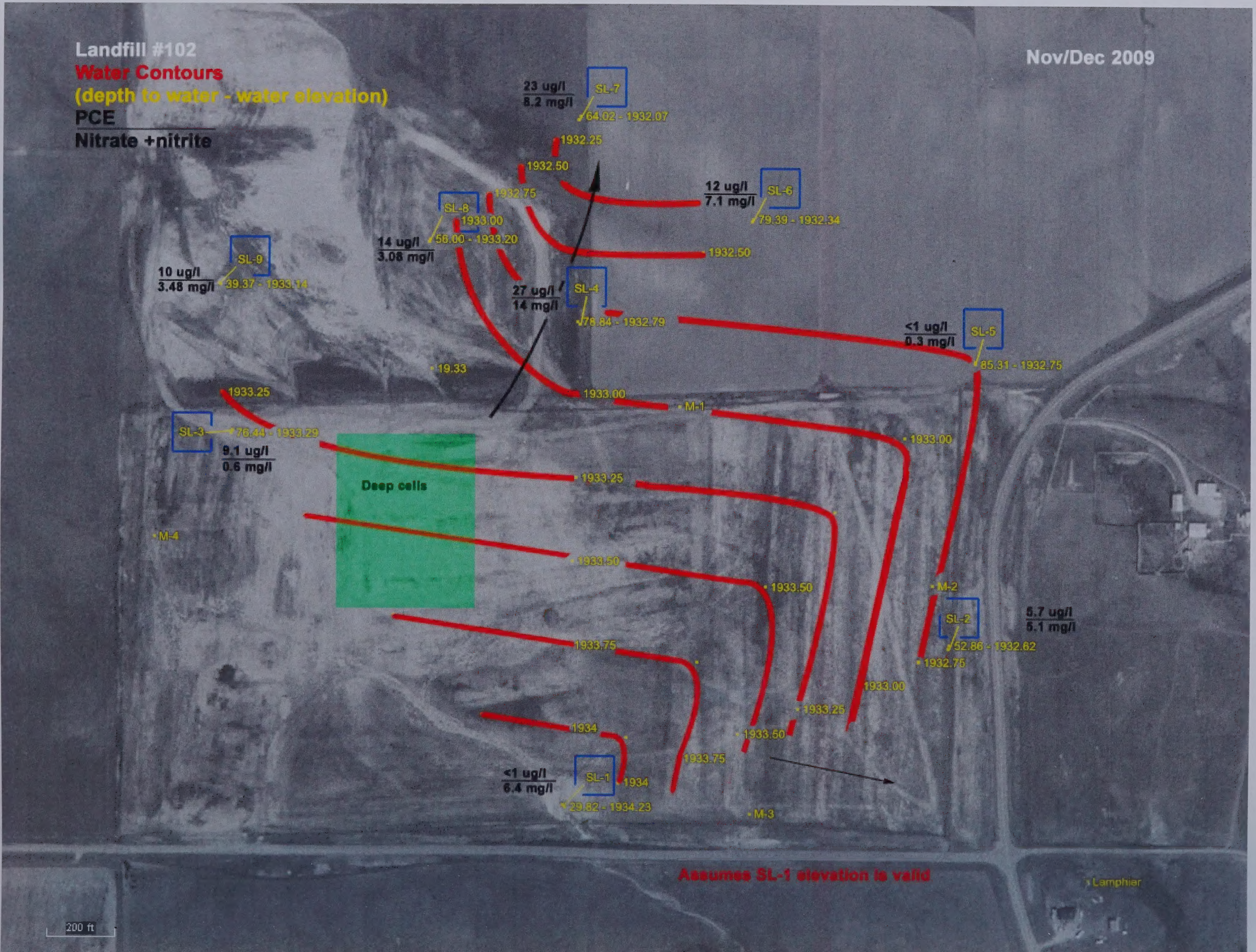
- A sulfur waste product was accepted by the county years ago and buried underneath the power lines west of the deep cells. This may account for the sulfate being detected in SL-4 and the new wells. This would follow the suspected groundwater flow pattern.

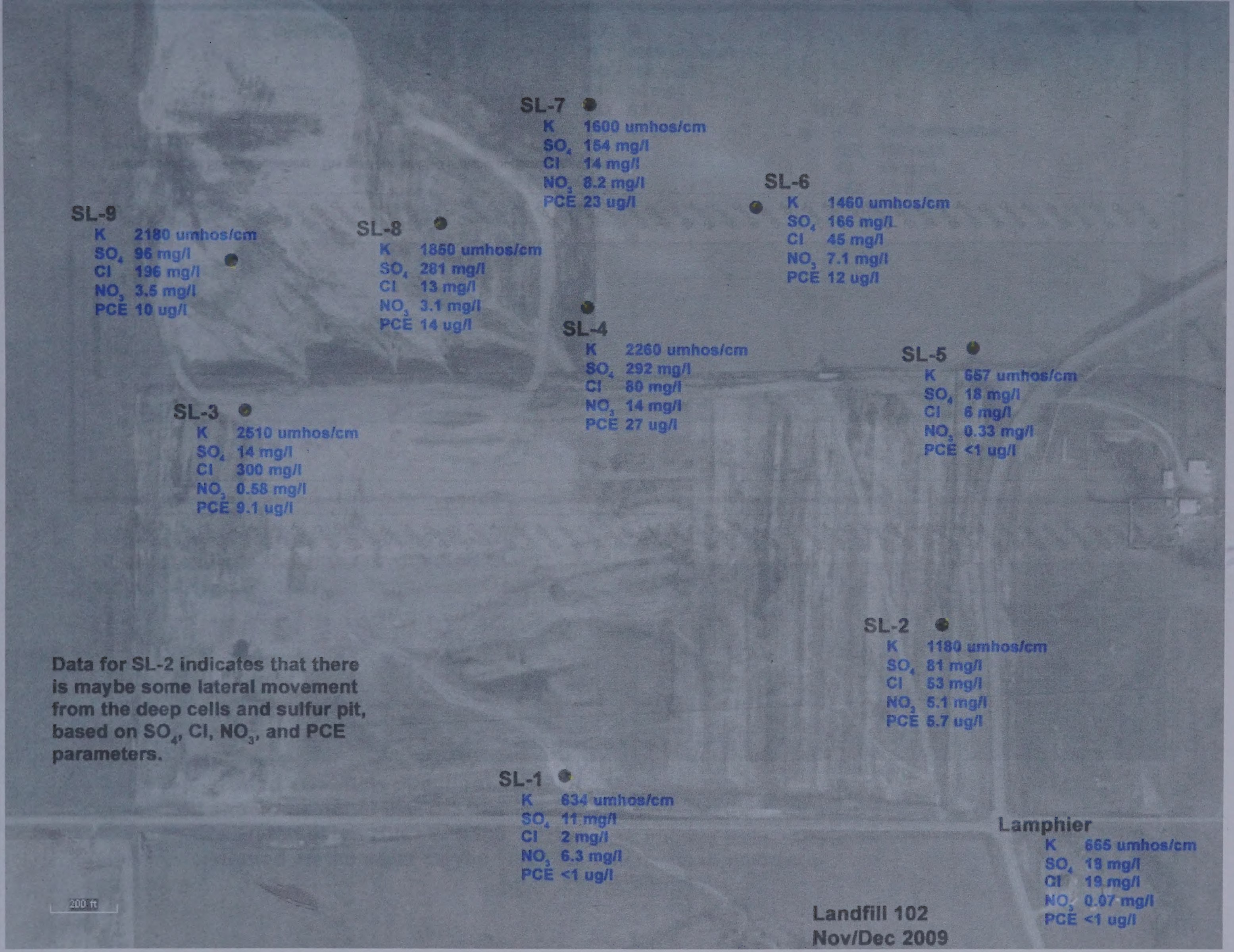
- However spring S-3 north of the landfill has high sulfate and chloride values which indicate that the values seen in the wells are natural. The final cover for the deep cells was taken close to SL-4 so if this soil had high sulfate content the associated soil disturbance and capping of the deep cells may account for the values seen.
- Next sampling is scheduled for April/May. Will be weather dependent.


2100
S-3
2100
Spring
2160
2069
2180
8
2208
SL-7
SL-6
SL-8
SL-9
SL-4
2200
SL-5
2210
SL-3
M-1
M-4
M-2
SL-2
SL-1
M-3
2196
Lamphier
2140
S-5
500 ft
2196
17


SL-6
SL-8
SL-9
Clay borrow area
Monitoring wells
TELEPHONE PEDESTAL
UTILITY POLE
SL-4
SL-5
Clay Stock Pile
SL-3
M-1
Asbestos markers
M-4
cells 1 and 2
M-2
SL-2
animal disposat and bulky items
SL-1
M-3
TELEPHONE PEDESTAL
24' PAVED COUNTY ROAD
GATE
GATE

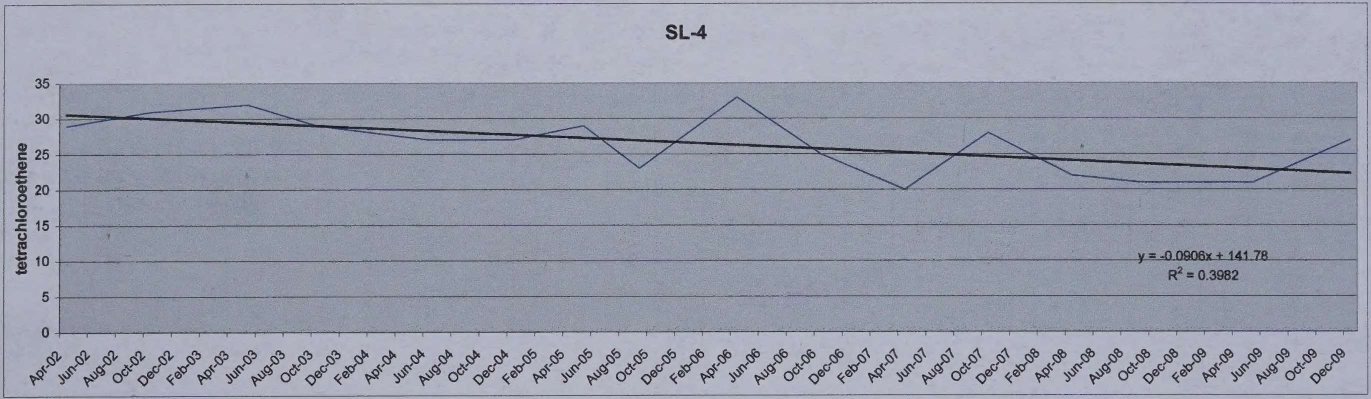
City of Sidney opened landfill in 1970. Garbage was buried over the entire 80 acres. Richland County took over operations in 1980 and excavated deep trenches (cells one and two).

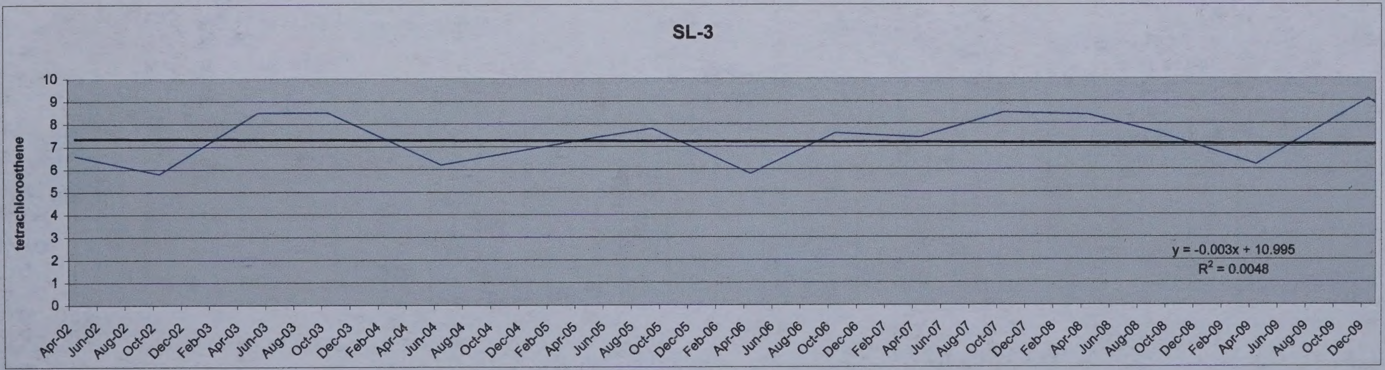

Landfill #102
Water Contours
(depth to water - water elevation)
PCE
Nitrate +nitrite
Nov/Dec 2009
23 ug/l
8.2 mg/l
SL-7
64.02 - 1932.07
1932.25
1932.50
12 ug/l
7.1 mg/l
SL-6
79.39 - 1932.34
1932.75
SL-8
1933.00
14 ug/l
3.08 mg/l
56.00 - 1933.20
1932.50
SL-9
10 ug/l
3.48 mg/l
39.37 - 1933.14
27 ug/l
14 mg/l
SL-4
78.84 - 1932.79
<1 ug/l
0.3 mg/l
SL-5
85.31 - 1932.75
19.33
1933.25
1933.00
M-1
SL-3
76.44 - 1933.29
9.1 ug/l
0.6 mg/l
1933.00
Deep cells
1933.25
M-4
1933.50
1933.50
M-2
SL-2
5.7 ug/l
5.1 mg/l
52.86 - 1932.62
1932.75
1933.75
1933.00
1933.25
1934
1933.50
1933.75
<1 ug/l
6.4 mg/l
SL-1
1934
29.82 - 1934.23
M-3
Assumes SL-1 elevation is valid
Lamphier
200 ft


SL-7
K 1600 umhos/cm
SO_4 154 mg/l
Cl 14 mg/l
NO_3 8.2 mg/l
PCE 23 ug/l
SL-6
K 1460 umhos/cm
SO_4 166 mg/l
Cl 45 mg/l
NO_3 7.1 mg/l
PCE 12 ug/l
SL-9
K 2180 umhos/cm
SO_4 96 mg/l
Cl 196 mg/l
NO_3 3.5 mg/l
PCE 10 ug/l
SL-8
K 1850 umhos/cm
SO_4 281 mg/l
Cl 13 mg/l
NO_3 3.1 mg/l
PCE 14 ug/l
SL-4
K 2260 umhos/cm
SO_4 292 mg/l
Cl 80 mg/l
NO_3 14 mg/l
PCE 27 ug/l
SL-5
K 657 umhos/cm
SO_4 18 mg/l
Cl 6 mg/l
NO_3 0.33 mg/l
PCE <1 ug/l
SL-3
K 2510 umhos/cm
SO_4 14 mg/l
Cl 300 mg/l
NO_3 0.58 mg/l
PCE 9.1 ug/l
SL-2
K 1180 umhos/cm
SO_4 81 mg/l
Cl 53 mg/l
NO_3 5.1 mg/l
PCE 5.7 ug/l
SL-1
K 634 umhos/cm
SO_4 11 mg/l
Cl 2 mg/l
NO_3 6.3 mg/l
PCE <1 ug/l
Lamphier
K 665 umhos/cm
SO_4 18 mg/l
Cl 19 mg/l
NO_3 0.07 mg/l
PCE <1 ug/l
200 ft

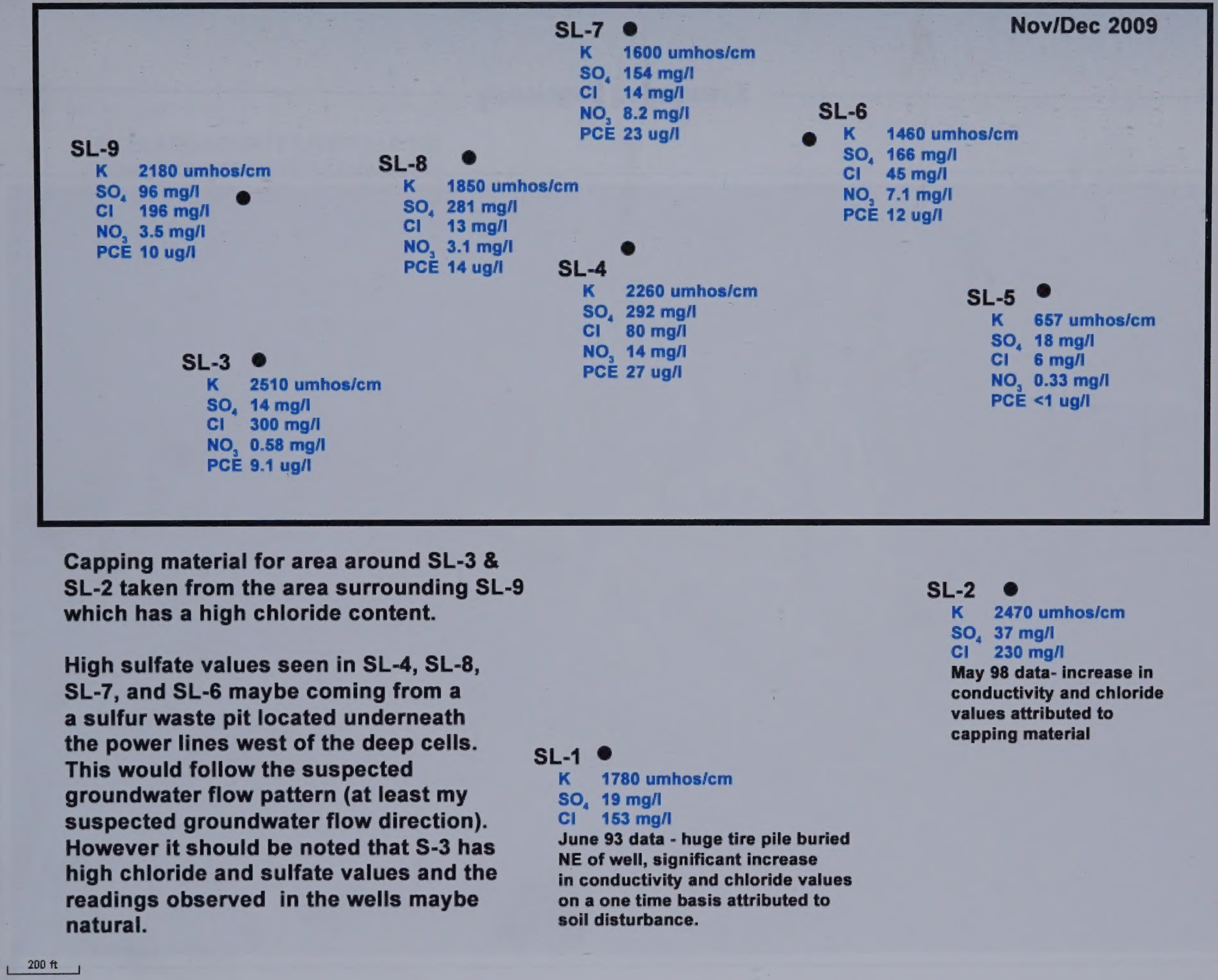
Data for SL-2 indicates that there is maybe some lateral movement from the deep cells and sulfur pit, based on SO_4, Cl, NO_3, and PCE parameters.

Landfill 102
Nov/Dec 2009





The trend line for SL-4 is decreasing. The trend line for SL-3 is stable or decreasing slightly.



Nov/Dec 2009

SL-7
K 1600 umhos/cm
SO_4 154 mg/l
Cl 14 mg/l
NO_3 8.2 mg/l
PCE 23 ug/l

SL-6
K 1460 umhos/cm
SO_4 166 mg/l
Cl 45 mg/l
NO_3 7.1 mg/l
PCE 12 ug/l

SL-9
K 2180 umhos/cm
SO_4 96 mg/l
Cl 196 mg/l
NO_3 3.5 mg/l
PCE 10 ug/l

SL-8
K 1850 umhos/cm
SO_4 281 mg/l
Cl 13 mg/l
NO_3 3.1 mg/l
PCE 14 ug/l

SL-4
K 2260 umhos/cm
SO_4 292 mg/l
Cl 80 mg/l
NO_3 14 mg/l
PCE 27 ug/l

SL-5
K 657 umhos/cm
SO_4 18 mg/l
Cl 6 mg/l
NO_3 0.33 mg/l
PCE <1 ug/l

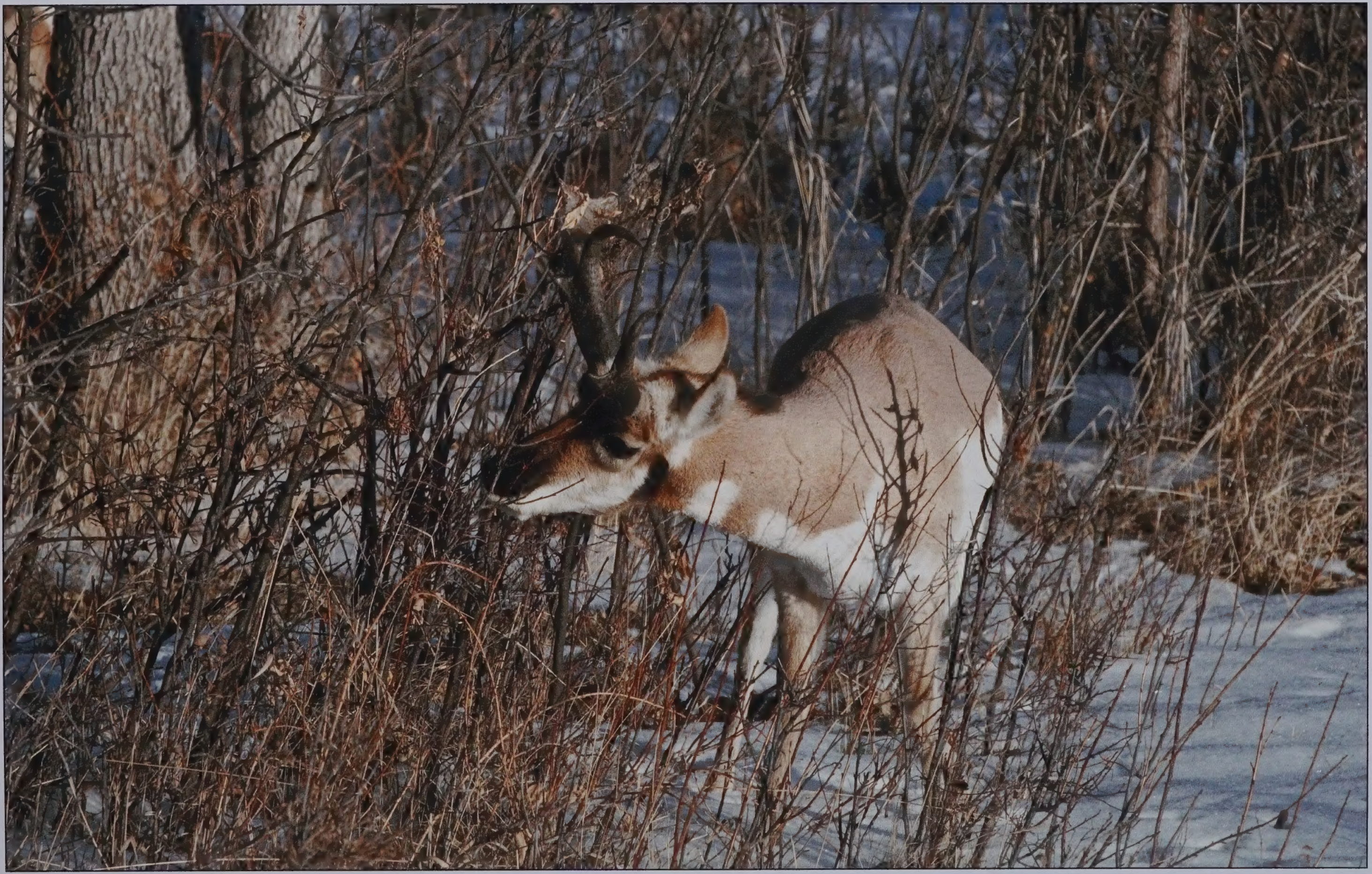
SL-3
K 2510 umhos/cm
SO_4 14 mg/l
Cl 300 mg/l
NO_3 0.58 mg/l
PCE 9.1 ug/l

Capping material for area around SL-3 & SL-2 taken from the area surrounding SL-9 which has a high chloride content.

High sulfate values seen in SL-4, SL-8, SL-7, and SL-6 maybe coming from a a sulfur waste pit located underneath the power lines west of the deep cells. This would follow the suspected groundwater flow pattern (at least my suspected groundwater flow direction). However it should be noted that S-3 has high chloride and sulfate values and the readings observed in the wells maybe natural.

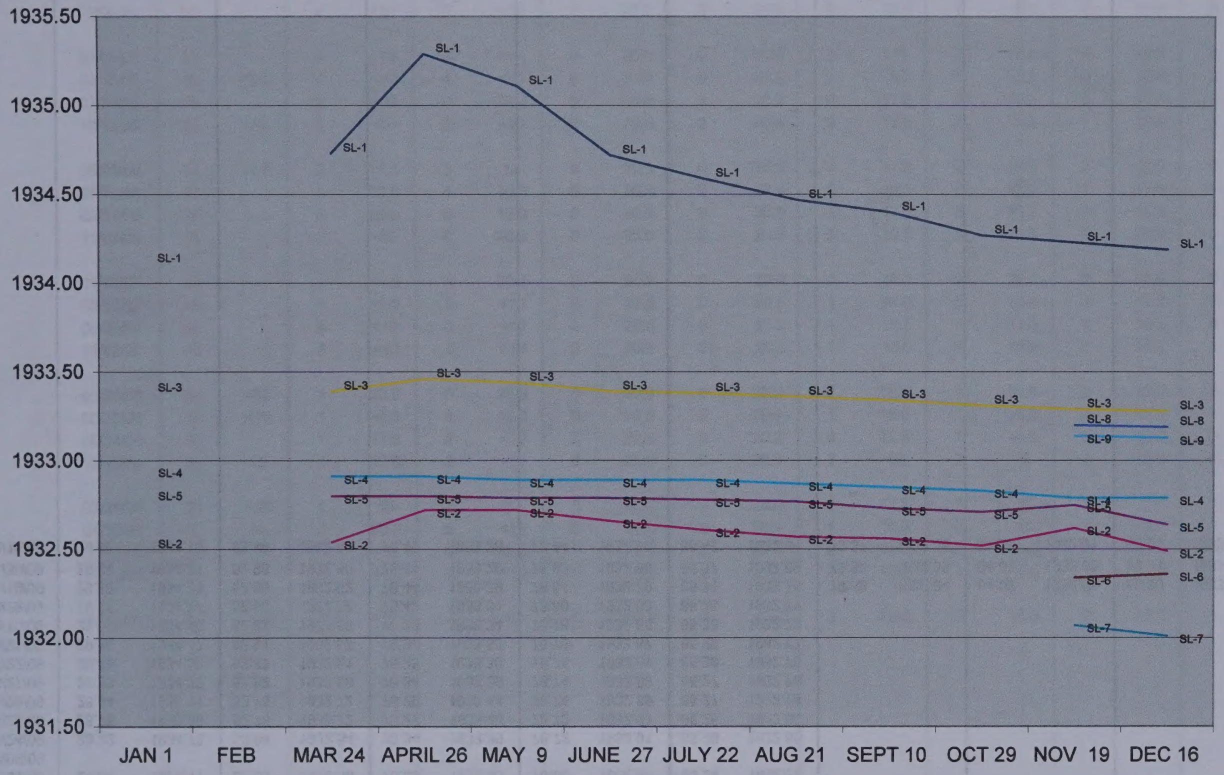
SL-2
K 2470 umhos/cm
SO_4 37 mg/l
Cl 230 mg/l
May 98 data- increase in conductivity and chloride values attributed to capping material

SL-1
K 1780 umhos/cm
SO_4 19 mg/l
Cl 153 mg/l
June 93 data - huge tire pile buried NE of well, significant increase in conductivity and chloride values on a one time basis attributed to soil disturbance.



browsing in January

RICHLAND COUNTY LANDFILL# 102
2009 GROUNDWATER ELEVATIONS



GROUNDWATER LEVEL DATA - RICHLAND COUNTY LANDFILL # 102

	MEASURING POINT ELEVATION																	
	1964.05		1985.48		2009.73		2011.63		2018.06		2011.73		1996.09 1996.11*		1989.20		1972.51	
	SL-1		SL-2		SL-3		SL-4		SL-5		SL-6		SL-7		SL-8		SL-9	
date	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation
01/01/09	29.94	1934.11	52.93	1932.55	76.35	1933.38	78.68	1932.95	85.24	1932.82								
02/09/09																		
03/24/09	29.32	1934.73	53.94	1932.54	76.34	1933.39	78.72	1932.91	85.26	1932.80								
04/26/09	28.76	1935.29	52.76	1932.72	76.27	1933.46	78.72	1932.91	85.26	1932.80								
05/09/09	28.94	1935.11	52.76	1932.72	76.29	1933.44	78.74	1932.89	85.27	1932.79								
06/27/09	29.33	1934.72	52.82	1932.66	76.34	1933.39	78.74	1932.89	85.27	1932.79								
07/22/09	29.46	1934.59	52.87	1932.61	76.35	1933.38	78.74	1932.89	85.28	1932.78								
08/21/09	29.58	1934.47	52.91	1932.57	76.37	1933.36	78.76	1932.87	85.29	1932.77								
09/10/09	29.65	1934.40	52.92	1932.56	76.39	1933.34	78.78	1932.85	85.33	1932.73								
10/29/09	29.78	1934.27	52.96	1932.52	76.42	1933.31	78.80	1932.83	85.35	1932.71								
11/19/09	29.82	1934.23	52.86	1932.62	76.44	1933.29	78.84	1932.79	85.31	1932.75	79.39	1932.34	64.02	1932.07	56.00	1933.20	39.37	1933.14
11/30/09	29.84	1934.21	52.98	1932.50	76.44	1933.29	78.83	1932.80	85.37	1932.69	79.38	1932.35	64.03	1932.06	56.01	1933.19	39.37	1933.14
12/16/09	29.86	1934.19	52.99	1932.49	76.45	1933.28	78.84	1932.79	85.42	1932.64	79.37	1932.36	64.08	1932.01	56.01	1933.19	39.38	1933.13

RICHLAND COUNTY LANDFILL # 102

METHANE MONITORING

	SL-1		SL-2		SL-3		SL-4		SL-5		M-1		M-2		M-3		M-4	
date	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2
01/12/04	100		0	19.5	0	20.0	0	20.9	0	20.9	1	19.5	1	19.5	2	16.0	1	19.0
04/28/04	22	17.0	0	20.9	0	20.9	0	20.9	0	20.9	0	20.9	1	19.0	1	16.0	0	18.5
08/28/04	35	17.0	1	14.0	2	<10	0	20.9	0	20.9	0	16.0	1	16.0	1	17.0	0	16.0
11/08/04	66		4	<10	2	<10	0	20.9	0	20.9	2	18.0	1	15.0	1	17.0	0	17.0
01/05/05	80		4	<10	2	<10	0	20.9	0	20.9	0	<10	2	12.0	0	20.0	0	18.5
04/13/05	46	12.0	4	<10	4	<10	0	20.9	0	20.9	2	16.5	1	13.5	0	15.0	0	17.5
07/14/05	36		2	<10	0	20.9	0	20.9	0	20.9	0	17.0	1	14.5	0	14.5	0	17.0
10/12/05	72	<10	2	<10	2	<10	0	20.5	0	20.9	0	17.0	2	12.5	1	15.0	1	17.0
03/03/06	50	12.5	2	11.5	3	12	0	20.9	0	20.9	2	17.5	2	15.5	2	16.0	0	17.0
05/12/06	65		2	10.0	4	10.0	0	20.9	0	20.9	0	16.5	2	12.5	1	11.5	1	17.0
09/19/06	75		0	20.5	6	13.0	0	20.9	0	20.9	4	17.5	5	16.0	0	19.5	6	17.0
11/07/06	78		2	<10	0	20.9	0	20.9	0	20.9	0	19.0	1	18.0	0	20.9	0	20.0
01/20/07	46		1	11.0	0	20.9	0	20.9	0	20.9	0	18.0	0	20.9	2	15.0	0	18.0
05/12/07	65		1	10.0	2	<10	0	20.5	0	20.5	1	15.0	0	13.5	1	14.0	0	17.0
08/25/07	83		2	<10	0	<10	0	20.9	0	20.9	1	15.5	1	11.5	1	14.0	0	16.5
11/12/07	78		2	<10	4	<10	0	20.9	0	20.9	1	16.0	0	12.5	1	12.5	1	16.0
01/04/08	65	<10	1	20.9	0	20.9	0	20.9	0	20.9	2	18.0	1	20.9	2	15.5	1	16.5
05/23/08	34	<10	1	10.5	2	10.5	0	20.9	0	20.9	1	18.0	1	16.5	2	17.0	1	19.0
08/24/08	60		1	11.5	2	<10	0	20.9	0	20.9	0	17.5	1	14.0	0	16.0	0	18.0
12/19/08	34	15	1	10.0	2	<10	0	20.9	0	20.9	2	18	2	16	2	15.0	0	18.0
03/24/09	24	<10	1	10	2	10	0	20.9	0	20.9	0	17.5	1	15	0	17	1	19
04/26/09	22	11	0	20.9	2	<10	0	20.9	0	20.9	1	16.5	0	16	2	19	1	18.5
07/22/09	55		0	12	0	20.9	0	20.9	0	20.9	0	14.5	0	13.5	0	17.5	0	19
11/19/09	42		4	<10	2	<10	0	20.9	0	20.9	2	17.5	1	14.5	1	13.5	2	18.5
01/14/10	46	<10	2	<10	2	12	0	20.9	0	20.9	2	18.5	2	15.5	2	15.5	1	19

RICHLAND COUNTY LANDFILL # 102
METHANE MONITORING

	SL-1		SL-2		SL-3		SL-4		SL-5		M-1		M-2		M-3		M-4	
date	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2
03/17/95	100		2	<10					0	20.9	2	15.5			2	<10	1	17.0
03/21/95					2	<10	0	20.5	0	20.9	1	14.5					1	17.5
03/22/95	100		0	20.9									0	20.9	2	<10		
06/26/95	100		0	<10	2	<10	0	20.5	0	20.5	1	14.0	0	<10	1	<10	1	13.5
08/29/95	100		<1	<10	4	<14.5	0	20.5	0	20.5	0	12.5	<1	<10	30	<10	1	<10
10/23/95	100		0	<10	0	20.9	0	20.5	0	20.9	1	13.5	0	<10	36	<10	1	11.5
02/23/96	100		0	20.9	0	20.9	0	20.5	0	20.9	1	15.0	0	20.5	4	<10	1	16.0
04/01/96	100		0	<10	4	<10	0	20.9	0	20.5	<1	12.5	0	<10	0	20.9	<1	13.5
07/10/96	100		2	<10	0	20.9	0	20.5	0	20.9	1	13.0	2	<10	2	<10	<1	11.5
10/30/96	100		0	20.9	0	20.9	0	20.9	0	20.5	<1	16.0	<1	16.0	2	<10	1	14.5
02/11/97	100		0	20.9	0	20.9	0	20.5	0	20.9	<1	16.0	0	19.5	0	11.0	0	17.0
04/01/97	100		<1	20.0	0	20.9	0	20.9	0	20.9	1	19.0	1	17.0	<1	11.0	1	17.0
09/09/97	100		0	<10	56	<10	0	20.5	0	20.5	0	13.5	0	<10.0	0	<10	0	13.5
10/15/97	100		4	<10	52	<10	0	20.9	0	20.9	1	15.5	1	10.0	1	12.0	0	14.5
01/06/98	100		0	20.9	23	13.0	0	20.9	0	20.9	1	15.0	0	17.5	0	12.0	0	18.0
04/02/98	100		0	11.5	0	20.9	0	20.9	0	20.5	0	17.0	0	17.0	1	10.5	0	18.0
08/12/98	100		0	<10	50	<10	0	20.9	0	20.9	0	15.0	0	<10	0	11.5	0	14.0
10/28/98	100		0	<10	54	<10	0	20.9	0	20.9	0	15.0	0	<10	0	13.0	0	14.0
01/16/99	100		2	12.0	0	20.9	0	20.9	0	20.9	0	20.9	0	16.0	0	10.0	0	17.5
04/29/99	100		0	<10.0	32	<10	0	20.9	0	20.9	0	14.0	1	10.0	2	<10	0	14.0
07/28/99	100		2	<10.0	0	20.9	0	20.9	0	20.9	0	13.0	0	<10	1	12.0	0	13.0
09/13/99	100		4	<10.0	1	19.5	0	20.9	0	20.9	0	14.5	0	<10	1	12.0	0	14.0
11/23/99	100		4	<10.0	30	<10	0	20.9	0	20.9	0	17.5	0	<10	0	17.0	2	15.0
01/17/00	66	17.0	0	16.5	0	21.0	0	20.9	0	20.9	0	17.0	0	13.0	0	13.0	0	18.0
04/18/00	100		4	<10	8	<10	0	20.0	0	20.9	1	15.0	2	13.0	2	14.0	2	16.0
07/20/00	100		4	<10	10	<10	0	20.9	0	20.9	0	15.0	<1	11.0	1	11.0	1	16.0
10/20/00	100		4	<10	8	<10	0	20.9	0	20.9	2	15.0	4	10.0	2	12.0	2	16.0
01/17/01	100				8	<10	0	20.9	0	20.9	4	15.5	4	<10	8	<10	4	16.5
04/23/01	100		5	13.0	5	15.0	0	20.9	0	20.9	3	15.0	10	<10	5	14.0	5	15.5
08/24/01	100		0	20.0	0	13.5	0	20.9	0	20.9	0	15.5	0	20.5	0	13.5	0	14.5
10/25/01	100		0	20.9	0	20.9	0	20.9	0	20.0	0	17.5	0	20.5	2	15.5	1	17.5
01/05/02	66		0	20.9	0	20.0	0	20.9	0	20.9	1	18.5	0	20.9	1	17.0	1	19.0
04/25/02	100		2	12.5	4	<10	0	20.9	0	20.9	1	17.5	1	16.0	0	16.5	1	17.5
07/23/02	100		2	<10	0	<10	0	20.9	0	20.9	1	14.5	2	11.5	1	14.0	0	16.0
10/25/02	100		0	<10	4	<10	0	20.9	0	20.9	0	16.0	0	11.0	0	13.5	0	17.0
02/19/03	14	19	0	18.0	0	16.5	0	20.9	0	20.9	0	20.0	0	19.0	2	20.0	0	20.0
05/20/03	70		2	<10	2	<10	0	20.9	0	20.9	1	14.0	1	13.0	1	11.0	0	14.0
08/10/03	58		0	<10	0	16.5	0	20.9	0	20.9	0	14.5	0	13.0	0	15.0	0	17.0
11/20/03	100		0	20.0	0	20.0	0	20.9	0	20.9	0	20.0	0	20.0	1	16.0	0	20.0

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Dec 2, 2004 STATION Lamphier

WEATHER windy overcast 20° WIND NW @ 20 MPH

CASING TYPE CASING DIAMETER CASING STICKUP

MEASURING PT. DEPTH TO WATER TOTAL DEPTH

WELL EXCAVATION DISPOSABLE BAILER OTHER

ONE CASING VOLUME = GALLONS X 3 = GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1550	grab	8.0	7.3	660

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA	VOC	HCL
X 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X 1 – 500 ML PLASTIC	COMMON IONS	NONE
1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Nov 30, 2004 STATION S-5

WEATHER mostly clear T=45° WIND W @ 10 MPH

CASING TYPE CASING DIAMETER CASING STICKUP

MEASURING PT. DEPTH TO WATER TOTAL DEPTH

WELL EXCAVATION DISPOSABLE BAILER OTHER

ONE CASING VOLUME = GALLONS X 3 = GALLONS

COMMENTS spring in Beagle's pasture

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1130	grab	7.0	7.2	383

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA	VOC	HCL
X 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X 1 – 500 ML PLASTIC	COMMON IONS	NONE
1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Nov 30, 2009 STATION S-3

WEATHER T=45 mostly clr. WIND N @ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER ____ TOTAL DEPTH ____

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1200	grab	7.5	7.1	1090

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Nov 30, 2009 STATION SL-1

WEATHER mostly clr T=40° WIND 15 @ W MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 29.94 TOTAL DEPTH 31.12

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 6.75 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1215	0			
1230	.75	Bailed dry; lt recharge		
1445		8.0	6.6	610

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS just enough H_2O to sample @ 1445

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Nov 30, 2009 STATION SL-2
WEATHER mostly clr. T = 40° WIND W @ 15 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______
MEASURING PT. ______ DEPTH TO WATER 52.98 TOTAL DEPTH 59.06
WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______
ONE CASING VOLUME = ______ GALLONS X 3 = 3 GALLONS
COMMENTS ______

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1355	0			
1420	3.0	8.0	7.0	1170

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL
X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4
✓ 1 – 500 ML PLASTIC COMMON IONS NONE
______ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3
______ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Dec 2, 2009 STATION SL-3
WEATHER overcast, T = 20° WIND NW @ 25+ MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______
MEASURING PT. ______ DEPTH TO WATER 76.44 TOTAL DEPTH 88.07
WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______
ONE CASING VOLUME = ______ GALLONS X 3 = 6 GALLONS
COMMENTS ______

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
0955	0			
1045	6	9.0	6.8	2570

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL
✓ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4
X 1 – 500 ML PLASTIC COMMON IONS NONE
______ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3
______ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - **RICHLAND COUNTY LANDFILL NO. 102**

DATE/TIME Dec 2, 2009 STATION SL-4

WEATHER overcast; T=20°F WIND NW @ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 79.83 TOTAL DEPTH 92.5

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 7.0 GALLONS

COMMENTS skiff of snow on ground

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
0745	0			
0845	7	9.0	6.8	2260

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA	VOC	HCL
X 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X 1 – 500 ML PLASTIC	COMMON IONS	NONE
____ 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
____ 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - **RICHLAND COUNTY LANDFILL NO. 102**

DATE/TIME Dec 2, 2009 STATION SL-5

WEATHER light snow, overcast T=20° WIND NW @ 20 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 85.37 TOTAL DEPTH 97.0

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 6 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1400	0			
1500	6	8.0	7.3	670

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA	VOC	HCL
X 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X 1 – 500 ML PLASTIC	COMMON IONS	NONE
____ 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
____ 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Dec 2, 2009 STATION SL-6

WEATHER overcast T=20° light snow WIND NW @ 20 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 79.38 TOTAL DEPTH 89.42

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 4.5 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1220	0			
	3.0			1460
	3.5			1490
	4.0			1485
1315	4.5	9.0	7.1	1490

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

___ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

___ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS Casing & PVC pipe to tall, cut off By well driller

PVC flakes in waste bucket

sat inside PVC pipe

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Dec 1, 2009 STATION SL-7

WEATHER mostly overcast T= 28° WIND N W @ 25-35 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 64.03 TOTAL DEPTH 75.08

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 5.5 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1452	0			
	3.5			1652
	4.5			1625
	5.25			1615
1541	6.0	8.0	6.6	1610

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

X 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS 6" PVC pipe came loose; * tried to screw back in *

slightly turbid

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 12/1/09 ,

STATION SL-8

WEATHER overcast T= 35°

WIND NW 25-30 @ MPH

CASING TYPE

CASING DIAMETER

CASING STICKUP

MEASURING PT.

DEPTH TO WATER 56.01

TOTAL DEPTH 59.41

WELL EXCAVATION DISPOSABLE BAILER

OTHER

ONE CASING VOLUME = GALLONS X 3 = 1.25 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1030	0			
	0.5			1582
1047	0.75			1593
1104	1.0			1840
1110	1.25			1905
1120	1.50			1899

SAMPLE NATURAL DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA	VOC	HCL
X 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X 1 – 500 ML PLASTIC	COMMON IONS	NONE
X 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
X 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS H_2O muddy - let recharge before sampling

@ 1413 1.75 9.5 6.5 1875

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Dec 1 , 2009

STATION SL-9

WEATHER slight overcast T=35

WIND NW @ 20 MPH

CASING TYPE

CASING DIAMETER

CASING STICKUP

MEASURING PT.

DEPTH TO WATER 39.37

TOTAL DEPTH 45.12

WELL EXCAVATION DISPOSABLE BAILER

OTHER

ONE CASING VOLUME = GALLONS X 3 = 3 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
0920	0			
	1			2066
	2			2183
	2.5			2182
0943	3.0	7.5	6.4	2180

SAMPLE [✓ NATURAL] [✓ DUPLICATE] X-CONTAM. TRIP BLANK BLIND

6 3 – 40 ML VOA	VOC	HCL
2 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
2 1 – 500 ML PLASTIC	COMMON IONS	NONE
2 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
1 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS H_2O turbid

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RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$NO_3 + NO_2$ as N	Cyanide	COD
06/23/93	1755	16.5	627	531	7.5	7.3	43	20	.57	.005 U	56
06/21/95	0845	10.0	321	307	8.5	8.4	17	4	.04 F	.005 U	5 F
08/01/95	1830	11.0		320		8.5					
12/19/95	1730	7.5	354	370	8.4	8.8	19	4	.05 U		5 F
09/13/97	1540	17.0	384	440	8.0	8.1	30	4	.05 U		5 F
05/30/98	1540	11.0	398	430	7.9	7.6	22	10	.31		5 U
12/13/98	1350	12.0	410	480	7.8	6.8	36	8	.05 U	.005 U	5 U
05/21/99	1545	9.5	377	400	7.9	7.9	24	8	.13	.005 U	5 U
09/25/99	1215	14.0	379	530	7.8	6.9	21	6	.17		5 U
05/27/00	1545	10.0	574	630	7.6	7.6	36	8	.05 J	.005 M	5 F
11/20/00	0930	10.0	478	500	7.9		26	8	.13		
04/28/01	1430	11.0	780	830	7.3	7.3	36	15	.84	.005 U	13
10/27/01	1515	11.0	677	730	7.3		33	13	.05 U		
04/27/02	1815	9.0	733	780	7.4	6.6	32	14	.05 U	.005 U	4
10/26/02	1215	10.0	676	700	7.5	6.9	25	12	.11		7
05/31/03	1040	10.0	792	830	7.2	7.5	30	16	.06	.005 U	1 U
10/04/03	1030	12.0	678	780	7.1	6.6	26	14	.05		1 U
06/06/04	1730	10.0	994	1000	7.2	6.7	35	25	.05 U	.005 U	2
12/03/04	1110	8.5	841	910	6.9	7.5	31	21	.05 U		3
05/15/05	1800	10.0	860	820	7.3	7.4	31	23	.05 U	.005 U	3
09/10/05	1535	10.5	984	1026	7.6	7.4	34	29	.05 U		1
10/09/06	1050	10.0	1150	1164	7.2	7.0	26	38	.05 U		4
04/21/07	1750	8.0	747	720	7.4	7.3	25	19	.51	.005 U	2
10/13/07	1020	18.0	1000	1036	6.9	7.1	28	33	.05 U		4
04/13/08	1550	8.0	641	568	7.4	7.7	18	17	.20	.005 U	10
09/20/08	1225	12.0	633	607	7.2	6.9	24	16	.05 U		3
05/08/09	1340	7.5	603	590	7.8	7.3	20	14	.10	.005 U	4
12/02/09	1550	8.0	655	660	7.4	7.3	18	19	.07		5 U

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RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
06/23/93	.01 U	.008	.30	.002 U	.0005 U	.002 U	.005 U	.001 U	.74	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
06/21/95	.002 U	.005 U	.11	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
12/19/95	.002 U		.11	.002 U				.001 U	.05 J	.002 U		.02 U				.05 U	.06
09/13/97	.003 U		.12	.001 U				.002	.05 U	.003 U		.02 U				.05 U	.70
05/30/98	.003 U	.005 U	.14	.001 U	.0001 U	.001 U	.001 U	.002	.05J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.61
12/13/98	.003 U		.16	.001 U				.007	.05 J	.003 U		.02 U				.05 U	.42
05/21/99	.003 U	.005 U	.15	.001 U	.0001 U	.001 U	.002 U	.004	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.43
09/25/99	.003 U		.15	.001 U		.002			.06	.003 U		.02 J				.05 U	.32
05/27/00	.003 U	.005 U	.21	.001 U	.0001 J	.005 J	.002 J	.005 U	.28	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 U	.21
11/20/00	.05 U		.20	.001 U				.02	.14	.01 U		.01 U				.1 U	.58
04/28/01	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.55 F	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.27
10/27/01	.05 U		.3	.001 U				.01 U	.35	.01 U		.01 U				.1 U	.54
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.24	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.69
10/26/02	.05 U		.3	.001 U				.02	1.70	.01 U		.01 U				.1 U	.68
05/31/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.27	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.53
10/04/03	.05 U		.3	.001 U				.01 U	.25	.01 U		.01 U				.1 U	.86
06/06/04	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.85	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.44
12/03/04	.05 U		.4	.001 U				.01 U	.54	.01 U		.01 U				.1 U	.71
05/15/05	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.70	.01 U	.001 U	.01 U	.005 U	.005 U	.1	.1 U	.74
09/10/05	.05 U		.5	.001 U				.01 U	.79	.01 U		.01 U				.1 U	.52
10/09/06	.05 U		.5	.001 U				.01 U	.89	.01 U		.01 U				.1 U	1.54
04/21/07	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.73
10/13/07	.05 U		.5	.001 U				.01 U	.94	.01 U		.01 U				.1 U	1.95
04/13/08	.005 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.78
09/20/08	.005 U		.2	.001 U				.01 U	.27	.01 U		.01 U				.1 U	1.30
05/08/09	.005 U	.005 U	.2	.001 U	.001	.01 U	.01 U	.05	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.99

LAMPHIER **TRACE METALS**

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 U	5 U	1 U
12/19/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/20/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/15/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/05/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

LAMPHIER **RICHLAND COUNTY LANDFILL # 102**

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/19/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/20/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/06/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/15/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/05/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

LAMPHIER **ORGANICS - TABLE ONE LIST**

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/19/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/20/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/15/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/05/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity umhos/cm		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
			lab	field	lab	field					
06/23/93	0745	9.9	1280	1242	7.5	6.7	116	186	.18	.005 U	6
12/20/95	1415	7.5	1260	1180	8.0 H	R	160	157	.05 U		12 F
07/14/96	1830	13.0	1200	1280	7.3	7.1	166	252 F	.05 U	.005 U	8
11/24/96	1610		1210	1300	7.2	7.8	185	140	.05 U	.005 U	6
05/17/97	1600	13.0	1210	1280	7.2	7.1	188	143	.05 U	.005 U	7
09/13/97	1430	14.0	1200	1250	7.2	7.3	152	143	.05 U		7 F
05/29/98	1735	12.0	1200	1250	7.2	7.0	161	155	.05 J		5 U
12/13/98	1300	9.0	1110	1240	7.3	6.6	147	126	.05 U	.005 M	5 U
12/13/98 D			1150		7.3		148	130	.05 U		5
05/22/99	1345	12.0	1160	1240	7.2	6.8	155	123	.05 U	.005 M	5
09/25/99	1330	12.0	1100	1170	7.3	6.6	130	112	.05 U		8
05/27/00	1430	15.0	1130	1200	7.3	7.2	165	125	.05 J	.005 M	10 F
11/16/00	1540	8.0	1090	1240	7.6	6.4	159	130	.05 U		
04/28/01	1330	14.0	1190	1250	7.1	7.2	166	134	.05 U	.005 U	10
10/26/01	1800	9.0	1070	1200	7.2		155	130	.05 U		
04/27/02	1330	7.0	1140	1250	7.4	6.3	147	129	.05 U	.005 U	7
10/26/02	1130	10.0	1180	1190	7.5	6.3	143	119	.05 U		14
05/31/03	0850	9.5	1200	1220	7.2	7.1	159	114	.05 U	.005 U	2
10/04/03	0830	9.0	1100	1200	7.3	7.0	167	118	.05 U		4
06/06/04	1700	10.0	1070	1190	7.3	7.0	180	94	.05 U	.005 U	8
12/03/04	1130	9.0	1080	1200	7.1	7.2	164	102	.05 U		8
05/14/05	0920	8.0	1120	1210	7.4	7.0	178	106	.05 U	.005 U	7
09/10/05	1500	14.0	1120	1141	7.5	7.2	169	106	.05 U		8
04/22/06	0930	10.5	1040	1148	7.6	7.2	192	104	.05 U	.005 U	7
10/09/06	1015	9.0	1170	1152	7.2	7.0	172	117	.05 U		5
04/21/07	1703	10.0	1180	1146	7.2	7.2	174	113	.05 U	.005 U	8
10/13/07	1005	9.5	1170	1135	7.0	7.2	178	101	.05 U		7
04/13/08	1230	10.5	1110	1114	7.3	7.4	179	93	.05 U	.005 U	10
4/13/DUP			1120		7.2		179	93	.05 U	.005 U	12
09/20/08	1255	12.0	1120	1095	7.0	7.1	193	84	.05 U		8
05/08/09	1310	11.5	1130	1109	7.2	7.2	207	87	.05 U	.005 U	9
11/30/09	1200	7.5	1120	1090	7.2	7.1	195	87	.01 U		8

PHYSICALL PARAMETERS, IONS, & NUTRIENTS

S-3 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
06/23/93	.01 U	.005 U	.20	.002 U	.0005 U	.002 U	.005 U	.001 U	.17	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
12/20/95	.002 U		.14	.002 U				.001 U	.26	.002 U		.02 J				.05 U	.02 U
07/14/96	.004 U	.005 U	.15	.002 U	.002 F	.002 U	.005 U	.001 U	.17	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/24/96	.004 U	.005 U	.14	.001 U	.0005 U	.002 U	.005 U	.001 U	.11	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.15	.001 U	.0005 U	.002 U	.005 U	.001 U	.08	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.06
09/13/97	.003 U		.16	.001 U				.001 U	.10	.003 U		.02 J				.05 U	.04
05/29/98	.003 U	.005 U	.14	.001 U	.0001 U	.001 U	.001 U	.001 U	.11	.003 U	.0002 U	.04	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		.14	.001 U				.001 U	.11	.003 U		.02 U				.05 U	.02 J
12/13/98	.003 U		.15	.001 U				.001 U	.12	.003 U		.02 U				.05 U	.03
05/22/99	.003 U	.005 J	.14	.001 U	.0001 U	.001 U	.002 U	.002	.11	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/25/99	.003 U		.12	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/27/00	.003 J	.005 J	.13	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 J	.003 U	.0002 M	.02 J	.005 U	.0002 M	.002 U	.05 U	.02 U
11/16/00	.05 U		.10	.001 U				.01 U	.12	.01 U		.01 U				.1 U	.01 J
04/28/01	.05 U	.005 U	.1	.001 U	.001 U	.01 J	.01 U	.01 U	.08 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01
10/26/01	.05 U		.2	.001 U				.01 J	.16	.01 U		.01 J				.1 U	.01 U
04/27/02	.05 U	.005 U	.1 U	.001 U	.001 U	.01 U	.01 U	.01 U	.09	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.1	.001 U				.01 U	.15	.01 U		.01				.1 U	.01 U
05/31/03	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.12	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/04/03	.05 U		.1	.001 U				.01 U	.23	.01 U		.01 U				.1 U	.01 U
06/06/04	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.12	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.1	.001 U				.01 U	.15	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.14	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.1	.001 U				.01 U	.16	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.20	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.2	.001 U				.01 U	.47	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.17	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/13/07	.05 U		.1	.001 U				.01 U	.24	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.20	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
4/13/DUP	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.25	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.1	.001 U				.01 U	.11	.01 U		.01 U				.1 U	.01 U
05/08/09	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.13	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

S-3 TRACE METEALS

S-3 RICHLAND COUNTY LANDFILL - 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/24/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/29/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
12/13/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4/13/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-3 ORGANICS - TABLE ONE LIST

S-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	ido methane	MEK
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U	50 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	20 U
07/14/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
11/24/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 J
05/29/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
12/13/98 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U	20 U
11/16/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
06/06/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
4/13/DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/08/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
11/30/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U

S-3

ORGANICS - TABLE ONE LIST

S-3

RICHLAND COUNTY LANDFILL # 102

Date	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
06/23/93	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/14/96	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/24/96	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/29/98	20 U	5 U	1 U	1 U	1 U	1 U	1 B	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98 D	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4/13/DUP	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-3

ORGANICS - TABLE ONE LIST

S-5 RICHLAND COUNTY LANDFILL # 102

sample	sample	water	specific conductivity (umhos/cm)		pH				$no_3 + no_2$		
date	time	temp ©	lab	field	lab	field	sulfate	chloride	as N	Cyanide	COD
02/10/93	0745	1.0	380	345	7.1	7.0	24	4	.73	.005 U	5 U
06/23/93	650	12.5	358	464	7.8	7.0	21	2	.20	.005 U	5 U
01/04/94	1635	3.0	398	275	7.4	7.0	19	3	1.47	.005 U	5
05/11/94	1900		357 J		8.1		22	4	.82	.005 U	5 F
10/18/94	1615	10.0		301	7.7	8.0	21	4	.47	.005 U	7
06/21/95	1530	17.0	349	360	8.0 H	7.5	21	4	.68 F	.005 U	5 F
08/01/95	1625	16.0		390		7.6					
12/20/95	1500	5.0	371	390	7.8	7.5	19	4	.72		5 F
07/14/96	1650	14.0	383	400	7.7	7.6	21	18 F	.33	.005 U	5 U
11/24/96	1530		362	420	7.8	8.0	23	3	.17	.005 U	5 U
05/17/97	1715	10.0	361	400	7.8	7.8	20	2	.34	.005 U	5 U
09/13/97	1520	14.0	362	410	7.6	7.7	25	4	.24		20
05/29/98	1645	10.5	367	380	7.7	8.0	16	17	.18		5 U
12/13/98	1100	7.5	333	390	7.7	6.8	22	6	.62	.005 M	5 U
05/22/99	1130	12.0	326	360	7.7	6.9	17	4	.19	.005 M	5 U
09/25/99	1045	11.0	372	420	7.7	6.7	23	4	.16		7
05/27/00	1315	13.0	359	400	7.5	7.6	26	5	.24	.005 M	13 F
11/16/00	1415	6.0	369	430	7.9	7.4	21	5	.42		
04/28/01	1300	9.0	441	420	7.3	7.6	21	5	.52	.005 U	10
10/26/01	1730	9.0	338	370	7.5		17	5	.51		
04/27/02	1250	7.0	355	380	7.7	6.6	17	5	.75	.005 U	5
DUP			353		7.7		17	5	.74	.005 U	4
10/26/02	1055	9.0	393	420	7.6	7.3	15	5	.59		1 U
05/31/03	0945	10.5	401	420	7.4	7.5	18	5	.23	.005 U	1 U
10/04/03	0930	10.5	375	400	7.2	7.3	16	5	.29		1 U
06/05/04	1800	13.0	381	430	7.6	7.8	20	5	.16	.005 U	3
12/02/04	1545	7.0	359	405	7.2	7.5	17	6	.59		3
05/14/05	0840	8.0	363	400	7.8	6.8	18	6	.51	.005 U	1
09/10/05	1110	12.5	373	365	7.7	7.0	19	7	.18		2
10/09/06	0935	9.0	394	388	7.5	6.9	20	6	.36		1 U
10/09DUP			398		7.5		20	6	.36		2
04/21/07	0815	7.5	400	387	7.6		20	7	.76	.005 U	2
04/21/DUP			399		7.5		19	7	.75	.005 U	2
10/13/07	0920	9.0	407	393	7.3	7.5	19	7	.38		2

S-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

sample date	sample time	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	Cyanide	COD
			lab	field	lab	field					
05/08/09	1145	8.0	399	393	7.4	7.6	20	6	.54	.005 U	5
11/30/09	1130	7.0	394	383	7.6	7.2	15	7	.45		5 U

S-5 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/10/93	.05 U	.002 U	.30	.005 U	.005 U	.02 U	.050 U	.020 U	.05 U	.004 U	.0002 U	.02 U	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	.35	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.003	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.05 F
01/04/94	.01 J	.005 U	.30	.002 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.01	.005 U	.30	.002 J	.0005 U	.002 J	.005 U	.002 F	.05 J	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 U
10/18/94	.005 F	.005 U	.29	.002 U	.0005 U	.002 U	.005 U	.007 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 U
06/21/95	.002 U	.005 U	.34	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 J
12/20/95	.002 U		.30	.002 U				.001 U	.05 U	.002 U		.02 U				.05 U	.02 U
07/14/96	.004 U	.005 U	.31	.002 U	.011 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/24/96	.002 U	.005 U	.28	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.32	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02 U
09/13/97	.003 U		.33	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02
05/29/98	.003 U	.005 J	.30	.001 U	.0002	.001 U	.001 U	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		.31	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 U
05/22/99	.003 U	.005 U	.30	.001 U	.0001 U	.001 U	.002 U	.001 J	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/25/99	.003 U		.32	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.30	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 B	.005 J	.0005 M	.002 U	.05 U	.02 U
11/16/00	.05 U		.30	.001 U				.01 U	.03 U	.01 U		.01				.1	.01
04/28/01	.05 U	.005 U	1.1	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/01	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
DUP	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/31/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/04/03	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/09/06	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/9DUP	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
4/21/DUP	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/13/07	.05 U		.3	.001 U				.01 U	R	.01 U		.01 U				.1 U	.01 U
05/08/09	.005 U	.005 U	.3	.001 U	.001	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

S-5 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/10/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/18/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 J	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/24/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/29/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 ORGANICS - TABLE ONE LIST

S-5

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/10/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/04/94	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/18/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/24/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/29/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/06DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/30/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/10/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
01/04/94	50 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/18/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/24/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/29/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 ORGANICS - TABLE ONE LIST

SL-1 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1050	24.92	11.5	1170	1202	6.5	6.6	27	25	1.24	.005 U	27
06/23/93	1200	23.55	11.5	1780	1650	6.8	6.6	19	153	.60	.005 U	105
01/04/94	1515	23.42	10.0	538	498	6.7	7.0	27	16	10.6	.005 U	19
05/11/94	1445	23.31		605 F		6.8		56	15	4.7	.005 U	70 F
05/11/94 D				398 F		6.8		49	17	4.6	.005 U	141 F
10/19/94	1500	23.33	11.0	821	717	7.4	6.6	27	14	47	.005 U	88
06/21/95	1405	28.01	11.0	936	793	6.7	6.6	28	11	14.6 F	.005 U	66 F
08/01/95	1815	27.71	11.5		940		6.5					
12/20/95	1545	28.15	11.0	1050	1050	6.7	6.6	21	12	35		171 F
07/13/96	1150	28.43	11.0	1210	1350	6.6	6.6	25	38 F	22	.005 U	89
11/23/96	1050	28.62	7.0	1340	1450	6.8	6.7	25	15	42	.005 U	126
05/17/97	1015	27.74	11.0	1270	1290	6.6	6.4	23	15	26	.005 U	50
09/12/97	1820	27.95	12.0	1170	1220	6.7	6.5	41	9	25		36 F
05/30/98	1430	27.88	11.0	1250	1300	6.7	6.6	28	17	17.6		20
12/13/98	1155	28.39	11.0	960	1030	6.6	6.2	21	6	12	.005 M	14
05/21/99	1655	27.96	11.5	1060	1130	6.7	7.0	27	9	12	.005 M	22
05/21/99 D				1070		6.7		28	9	13	.005 M	27
09/23/99	1350	28.30	12.0	1220	1240	6.6	6.6	27	12	21.5		20
05/27/00	1240	28.77	11.0	1110	1220	6.8	7.0	28	12	27.5	.005 M	35 F
11/16/00	1245	28.95	9.0	R	1150	6.9	6.4	22	10	39.9		
04/28/01	1220	27.01	13.0	1220	1330	6.5	6.9	35	8	2.82	.005 U	21
10/26/01	1700	27.99	9.5	874	1010	6.7		22	7	7.00		
04/26/02	1830	28.45	10.5	1220	1330	6.8	6.5	23	10	9.97	.005 U	12
10/26/02	0815	28.67	9.5	1140	1170	6.8	6.9	18	7	29.8		1 U
05/31/03	0630	28.93	10.5	949	980	6.6	6.7	15	6	16.2	.005 U	2
10/03/03	1800	29.06	12.0	824	920	6.5	6.5	15	6	20.2		4
06/05/04	1720	28.33	11.0	1290	1420	6.8	6.7	45	14	12.8	.005 U	19
12/02/04	1520	28.91	9.5	1050	1180	6.5	6.9	24	8	11.8		16
05/13/05	1415	29.15	11.0	848	880	6.8	7.0	16	4	19.9	.005 U	13
09/09/05	1815	29.23	11.5	845	849	6.9	7.4	20	5	22.3		22
04/22/06	0930	29.35	12.0	721	804	6.9	7.2	16	4	13.1	.005 U	8
10/07/06	1205	29.25	11.5	891	857	6.7	7.2	21	5	16.8		20
04/21/07	0910	29.49	10.0	1010	984	6.7	6.8	22	6	31.4	.005 U	13
10/13/07	1058	29.50	10.0	921	898	6.5	7.0	19	5	30.7		9

SL-1 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/12/08	1550	29.67	11.0	918	916	6.6	7.0	23	5	25.5	.005 U	27
09/19/08	1810	29.82	11.0	819	810	6.3	6.8	16	7	25.2		4
05/08/09	1535	28.94	11.0	877	928	6.6	6.2	26	5	13.1	.005 U	16
11/30/09	1445	29.84	8.0	634	610	6.5	6.6	11	2	6.35 D		31

SL-1

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.003	3.30	.005 U	.0005 U	.02 U	.05 U	.02 U	.56	.004 U	.0002 U	.02	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	5.90	.002 U	.0005 U	.002 U	.008	.003	.05 U	.002 U	.0005 U	.05	.005 U	.0002 U	.01 U	.05 U	.05 F
01/04/94	.01 J	.005 U	1.60	.004 M	.0005 U	.002 U	.005 U	.001	.05 J	.002 U	.0002 U	.02	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.003	.005 J	0.30	.002 J	.0012	.002 U	.005 J	.005 F	.11	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 J
05/11/94 D	.002 U	.005 J	0.30	.002 J	.0011	.002 U	.005 J	.002 F	.14	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.008 F	.005 U	0.76	.002 U	.0005 U	.002 U	.005 J	.011 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02
06/21/95	.002 U	.005 U	1.05	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02	.005 U	.0002 U	.002 U	.05 J	.05
12/20/95	.002 U		1.23	.002 U				.002	.05 J	.005 U		.02				.05 U	.02 U
07/13/96	.004 U	.005 U	1.72	.002 U	.003 F	.002 U	.005 J	.002	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/23/96	.002 U	.005 U	1.65	.001 U	.0005 U	.002 U	.005 J	.001 U	.05 J	.001 U	.0002 U	.03	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	2.04	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 J	.005 U	.0005 U	.002 U	.05 U	.02 J
09/12/97	.003 U		1.76	.001 U				.001	.05 U	.003 U		.02 U				.05 U	.04
05/30/98	.003 U	.005 U	1.92	.001 U	.0002	.001 U	.001	.001	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		1.53	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02
05/21/99	.003 U	.005 U	1.70	.001 U	.0001 U	.001 U	.002 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
05/21/99 D	.003 U	.005 U	1.65	.001 U	.0001 U	.001 U	.002 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/23/99	.003 J		1.79	.001 U				.001	.05 U	.003 U		.02 J				.05 J	.02 U
05/27/00	.003 U	.005 J	1.66	.001 U	.0001	.005 J	.002 J	.005 J	.05 U	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 U	.02 U
11/16/00	.05 U		1.50	.001 U				.01 U	.03 U	.01 U		.03				.1 J	.02
04/28/01	.05 U	.005 U	2.0	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01	.005 U	.005 U	.1 U	.1 U	.01
10/26/01	.05 U		1.5	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01 U
04/26/02	.05 U	.005 U	1.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		1.5	.001 U				.01 U	.03 U	.01 U		.01				.1 U	.01 U
05/31/03	.05 U	.005 U	1.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		1.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	1.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		1.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	1.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		1.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	1.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/07/06	.05 U		1.2	.001 U				.01 U	.04	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	1.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.02
10/13/07	.05 U		1.3	.001 U				.01 U	.18	.01 U		.01 U				.1 U	.02
04/12/08	.005 U	.005 U	1.0	.001 U	.001 U	.01 U	.01 U	.01 U	.09	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	0.01 U
09/19/08	.005 U		1.0	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.02
05/08/09	.005 U	.005 U	1.0	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	0.01 U

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	11	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
05/30/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/21/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1 ORGANICS - TABLE ONE LIST

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	9	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	8	5 U	1 U	1 U	2 U	1 U	31	1 U	1 U	1 U	1 U	5	25 U	10 U
01/04/94	2 U	1 U	2	5 U	1	1 U	2 U	1 U	2	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 J	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 M	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	3.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	2.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/30/09	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-1 ORGANICS - TABLE ONE LIST

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1
01/04/94	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
05/30/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-2

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1715	49.80	11.5	1410		6.6	6.7	50	22	9	.005 U	16
06/23/93	1700	49.35	12.5	1460	1360	7.0	6.8	45	18	6.6	.005 U	8
01/05/94	1230	48.43	9.5	1420	1035	7.3	7.2	26	40	7.7	.005 U	31
05/11/94	1650	48.25	14.0	1350 F	1333	7.3	6.8	36	19	5.8	.005 U	14 F
10/19/94	1310	47.95	11.5	1110	944	7.6	7.0	29	23	4.6	.005 U	17
06/21/95	1305	49.40	12.0	1390	1169	7.0	6.8	56	13	6.66 F	.005 U	18 F
08/01/95	1730	49.30	13.0		1280		6.8					
12/20/95	1630	49.47	11.0	1270	1200	7.0	6.4		10	3.02		71 F
07/13/96	1340	51.47	13.0	1300	1360	6.9	6.8	67	14 F	4.7	.005 U	41
07/13/96 D			13.0	1310	1350	6.9	6.8	67	60 F	4.5	.005 U	35
11/23/96	1215	51.64	9.0	1240	1400	6.8	6.9	74	19	3.8	.005 U	41
05/17/97	1200	51.21	13.0	1280	1340	6.9	6.8	39	36	6.2	.005 U	50
09/13/97	1305	51.16	13.5	1420	1470	6.9	7.0	42	74	6.8		34 F
05/31/98	1320	51.19	13.5	2470	2600	6.9	7.1	37	230	17.8		32
12/13/98	1015	51.44	10.5	1600	1670	6.8	6.4	46	119	8.49	.005 U	17
05/21/99	1400	51.25	12.5	1980	2300	6.8	7.1	44	166	25	.005 U	45
09/24/99	1015	51.50	12.0	2260	2350	6.8	6.6	29	290	13.4		19
09/24/99 D				2130		6.8		31	282	10.7		25
05/27/00	1045	51.73	12.5	1480	1630	6.9	6.9	57	112	7.38	.005 M	19 F
05/27/00 D				1540		6.9		59	112	7.51	.005 M	12 F
11/16/00	1410	51.92	8.5	1330	1500	7.2	6.7	57	70	5.94		
11/16/00 D				1320		7.1		54	72	5.53		
04/27/01	1700	51.24	13.0	1330	1400	6.9	6.6	49	79	9.11	.005 U	17
10/27/01	1430	51.20	10.5	1690	1980	6.9		54	166	18.4		
10/27/01 D				1680		6.9		54	170	18.6		
04/26/02	1925	51.45	11.0	1330	1450	7.0	6.5	45	61	7.37	.005 U	1 U
10/25/02	1500	51.64	10.0	1340	1340	7.3	7.4	54	40	5.16		1 U
05/31/03	0725	51.82	10.5	1340	1350	6.8	6.8	60	48	5.61	.005 U	1 U
10/03/03	1725	51.97	13.5	1220	1320	6.8	6.6	66	40	5.29		1 U
06/05/04	1600	51.57	13.0	1140	1250	6.9	7.2	48	57	6.96	.005 U	6
12/03/04	1350	51.92	11.0	1060	1155	6.7	6.8	44	34	3.58		5
12/03/04DUP				1060		6.8		44	34	3.48		4
05/13/05	1530	52.08	12.0	1110	1160	7.0	7.0	53	31	4.23	.005 U	5
09/10/05	1010	52.11	12.5	1130	1092	7.2	7.2	50	25	4.41		5

SL-2

PHYSICAL PARAMETERS, IONS, & NUTRIENTS

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
04/22/06	0800	52.30	11.0	1040	1156	7.1	7.2	64	28	5.12	.005 U	3
10/07/06	1308	52.31	11.5	1130	1090	6.9	7.2	59	30	4.16		5
04/21/07	1130	52.44	10.5	1210	1170	6.8	6.8	70	34	4.79	.005 U	6
10/12/07	1700	52.53	9.5	1220	1173	7.0	7.1	77	38	4.35		4
04/13/08	1455	52.63	10.0	1230	1246	6.8	6.8	88	46	4.72	.005 U	11
09/19/08	1700	52.81	10.5	1270	1224	6.6	6.9	89	47	5.23		4
05/08/09	1630	52.76	11.0	1270	1255	6.8	6.1	97	50	5.41	.005 U	7
11/30/09	1420	52.98	8.0	1180	1170	6.9	7.0	81	53	5.11		14

SL-2 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.002 U	.90	.005 U	.005 U	.02 U	.05 U	.02 U	.05 U	.004 U	.0002 U	.02 U	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	.92	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
01/05/94	.01 J	.005 U	.80	.007 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.04 U	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.008	.005 U	.80	.012	.0005 U	.002 J	.005 J	.003 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.003 F	.005 U	.74	.002 U	.0005 U	.002 U	.005 U	.001 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/21/95	.002 U	.005 U	.90	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.04
12/20/95	.002 U		.70	.002 U				.001 U	.05 J	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 U	.67	.002 U	.002 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
07/13/96 D	.004 U	.005 U	.68	.002 U	.0005 F	.002 U	.005 U	.001	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/23/96	.002 U	.005 U	.52	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.62	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02 J
09/13/97	.003 U		.71	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/31/98	.003 U	.005 U	1.22	.001 U	.0001	.001 U	.001 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 J
12/13/98	.003 U		.82	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/21/99	.003 U	.005 U	.99	.001 U	.0001 U	.001 U	.003 J	.001 J	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/24/99	.003 U		1.02	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
09/24/99 D	.003 J		1.02	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.75	.001 U	.0001 J	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 J	.02 U
05/27/00 D	.003 J	.005 J	.75	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 J	.02 U
11/16/00	.05 U		.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 J
11/16/00 D	.05 U		.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.02
04/27/01	.05 U	.005 U	.7	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/27/01 D	.05 U		.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/26/02	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		.6	.001 U				.01 U	.03 U	.01 U		.01				.1 U	.01
05/31/03	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.5	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
12/03/04DU	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/07/06	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/19/08	.005 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/08/09	.005 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	ChlorO dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	1 U	14 U	2 U	1 U	1 U	1 U	1	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	2	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/24/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
05/27/00 D	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U

SL-2 RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	3	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	1	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
07/13/96 D	1 U	1 U	1 U	5 U	1 J	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
05/27/00 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/16/00 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04DUP	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/30/09	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-2 ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	32 U	5 U	1 U	1 U	2 U	19	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	11	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
07/13/96 D	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/13/97	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	8	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 X	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/24/99 D	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
05/27/00 D	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	8.9	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	7.4	1 U	1.1	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	4.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	4.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	5.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	4.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	5.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	5.2	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	6.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	5.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	4.6	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	4.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	4.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
11/30/09	20 U	20 U	1 U	1 U	1 U	1 U	5.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U

SL-2 **ORGANICS - TABLE ONE LIST**

SL-3

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1530	73.46	10.0	2063	2070	6.7	6.9	24	108	9.2	.005 U	15
06/23/93	1530	73.41	11.0	2070	1620	6.9	6.8	21	116	8.4	.005 U	10
01/05/94	0945	73.11	8.5	1800	1560	6.9	7.1	17	127	8.0	.005 U	16
05/11/94	1210	72.92	11.5		1944	7.1	7.0	24	136	6.8	.005 U	21 F
10/19/94	1115	72.57	10.0	1810	1417	7.1	7.1	16	134	6.4	.005 U	24
06/21/95	1125	75.66	10.5	2070	1980	7.0	6.8	18	116	5.27 F	.005 U	18 F
08/01/95	1600	75.60	12.5		2300		6.8					
12/20/95	0830	75.52	10.0	2170	1910	7.1	6.7	16	142	5.3		44 F
07/13/96	1725	75.54	13.0	2130	2450	7.2	6.8	25	259 F	6.5	.005 U	57
11/25/96	0915	75.57	4.0	2200	2600	7.1	7.1	24	162	4.6	.005 U	14
05/17/97	1430	75.42	12.0	2040	2400	7.0	6.9	20	162	5.7	.005 U	42
09/13/97	1100	75.18	12.0	2090	2400	7.0	7.4	24	166	4.2		21 F
05/30/98	1040	75.18	12.0	2360	2500	7.0	6.7	16	174	5.16		22
12/12/98	1125	75.33	11.0	2300	2200	6.9	6.6	30	159	4.81	.005 M	30
05/21/99	0955	75.27	10.5	2390	2800	7.0	6.6	18	176	2.37	.005 M	70
09/23/99	1030	75.25	12.0	2580	2800	6.9	6.7	5 U	182	1.89		48
05/26/00	1645	75.38	12.0	2560	3000	6.8	6.8	26	238	3.00	.005 M	33 F
11/17/00	1030		10.0	2580	3000	6.9		24	309	2.95		
04/27/01	1840	75.57	13.0	2700	3000	6.7	6.5	21	359	2.11	.005 U	29
10/27/01	1045	75.18	9.5	2930	3300	6.8		26	399	1.93		
04/26/02	1740	75.14	10.5	2920	3300	6.8	6.9	14	418	.59	.005 U	21
10/25/02	1645	75.35	10.0	3370	3700	7.0	6.2	12	497	.67		41
05/30/03	1620	75.53	13.0	3670	3950	6.6	6.9	17	582	1.56	.005 U	16
10/03/03	1045	75.63	12.0	3340	3650	6.6	6.4	16	640	1.43		12
06/05/04	1115	75.49	12.0	3370	4000	6.8	6.4	19	645	1.98	.005 U	48
12/02/04	1250	75.67	10.0	3410	3990	6.6	6.7	19	617	1.19		25
05/13/05	1320	75.71	11.0	3460	3850	6.9	6.8	21	602	0.96	.005 U	12
09/09/05	1520	75.78	11.5	3330	3440	7.3	7.4	20	578	0.89		15
04/22/06	1200	75.91	13.0	2830	3320	6.9	7.2	19	547	.82	.005 U	8
10/09/06	1210	75.95	11.0	3260	3130	6.8	7.6	20	516	.80		27
04/21/07	1030	76.02	10.5	3330	3170	6.8	6.5	22	529	.65	.005 U	15
10/12/07	1620	76.09	10.0	3230	3220	6.7	6.9	18	468	.35		10

SL-3

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/12/08	1703	76.18	10.5	2990	3000	6.7	6.6	17	447	.79	.005 U	18
09/19/08	1620	76.25	10.5	2840	2665	6.6	6.8	20	426	.52		9
05/08/09	1735	76.29	11.0	2810	2683	6.8	6.0	20	382	.81	0	17
12/02/09	1045	76.44	9.0	2510	2570	6.8	6.8	14	300	.58		15

SL-3 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

SL-3 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.002	2.4	.005 U	.005 U	.02 U	.05 U	.02 U	.05 U	.004 U	.0002 U	.02 U	.005	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	2.45	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
01/05/94	.01 J	.005 J	2.3	.011 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.04 J	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.008	.005 U	2.2	.015	.0005 U	.002 U	.005 J	.002 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.005 F	.005 U	1.94	.002 U	.0005 U	.002 U	.005 J	.009 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 U
06/21/95	.004 J	.005 U	2.32	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.04
12/20/95	.002 U		1.89	.002 U				.001 U	.05 U	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 J	2.4	.002 U	.005 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/25/96	.004 U	.005	1.79	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	2.49	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.04
09/13/97	.003 U		2.41	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.03
05/30/98	.003 U	.005 J	2.63	.001 U	.0001 U	.001 U	.001	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
12/12/98	.003 U		2.6	.001 U				.001	.05 U	.003 U		.02 J				.05 U	.02 J
05/21/99	.003 U	.005 J	2.87	.001 U	.0001 U	.001 U	.002 U	.001 J	.06	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
09/23/99	.003 J		3.11	.001 U				.001 J	.05 U	.003 U		.02 U				.05 J	.02 U
05/26/00	.003 J	.005 J	3.28	.001 U	.0001 J	.009	.002	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 J	.02
11/17/00	.05 U		3.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 J
04/27/01	.05 U	.005 J	3.9	.001 U	.001 U	.01 U	.01 U	.01	.03 F	.01 U	.001 U	.02	.005 J	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		4.0	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01 U
04/26/02	.05 U	.005 J	3.3	.001 U	.001 U	.01 U	.01 U	.01 U	.04	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		4.0	.001 U				.01 U	.03 U	.01 U		.04				.1 U	.01
05/30/03	.05 U	.005 U	4.1	.001 U	.001 U	.01 U	.01 U	.02	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		3.8	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01
06/05/04	.05 U	.005 U	3.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		3.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	4.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.005 U	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		4.0	.001 U				.01 U	.04	.01 U		.01				.1 U	.01 U
04/22/06	.05 U	.005 U	3.6	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		3.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	3.4	.001 U	.001 U	.01	.01 U	.01 U	.03 U	.01 U	.001 U	.03	.006	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		3.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/12/08	.005 U	.005 U	3.2	.001 U	.001 U	.01	.01 U	.01 U	.04	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/19/08	.005 U		3.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/08/09	.005 U	.005 U	2.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	3	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	3	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	2	1 J	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
05/30/98	20 B	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/17/00	20 U	20 U	1.0	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	3.5	1 U	1 U	1 U
04/27/01	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
10/27/01	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
04/26/02	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U
10/25/02	20 U	20 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	2.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	2.2	1 U	1 U	1 U
10/03/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1.9	1 U	1 U	1 U
06/0504	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.2	1 U	1 U	1 U
09/09/05	20 U	20 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/22/06	20 U	20 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
10/09/06	20 U	20 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
10/12/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U

SL-3 **ORGANICS - TABLE ONE LIST**

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	8	1	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	13	1 U	2 U	1 U	1	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	4	4	2 U	1 U	1 J	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	4	3	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	10	4	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	3	5	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	3.4	**9.4**	1 U	1 J	**5.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	3.6	**9.7**	1 U	1 U	**7.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	3.3	**8.0**	1 U	1 J	**6.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	2.5	**6.2**	1 U	1 U	**5.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	3.2	**5.0**	1 U	1 U	**5.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	2.9	**6.4**	1 U	1 U	**7.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	3.9	**5.7**	1 U	1 U	**7.6**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
06/0504	1 U	1 U	1 U	1 U	3.3	**4.8**	1 J	1 U	**7.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	4.6	**2.8**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	4.1	**4.4**	1 U	1 U	**5.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**4.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	3.4	**3.4**	1 U	1 U	**3.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	3.8	**3.7**	1 U	1 U	**4.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	2.6	**3.7**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	4.5	**3.2**	1 U	1 U	**3.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**3.7**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	**3.6**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	3.3	**3.1**	1 U	1 U	**2.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	3.1	**3.4**	1 U	1 U	**3.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**3.7**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	**3.6**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	3.3	**3.1**	1 U	1 U	**2.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	3.1	**3.4**	1 U	1 U	**3.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	15	1 U	1 U	2 U	3	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	32	1 U	1 U	1 U	3	1 U	1 U	1 U	1	3	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	31	1 U	1 U	1 U	3	1 U	3	1 U	1 U	3	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	15	1 U	1 U	1 U	3	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	8	1 U	1 U	1 U	2	1 U	2	1 U	1 U	2	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	14	1 U	1 U	1 U	2	1 J	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	13	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	25 X	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	26	1 U	1 U	1 U	3	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	48 X	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	32 B	1 U	1 U	1 U	2	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	28 B	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	23 B	1 U	1 U	1 U	3	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	9 B	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	40 B	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	59 B	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	2.4	1 U	1 U	1 U	4.6	1 U	2.1	1 U	1 J	1.7	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1.1	1 U	1 U	1 U	7.4	1 U	2.8	1 U	1.2	2.1	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1.1	1 U	1 U	1 U	7.0	1 U	2.6	1 U	1.1	2.2	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	6.6	1 U	2.0	1 U	1 J	1.4	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.2	1 U	1 U	1 U	5.8	1 U	2.1	1 U	1 J	1.5	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.6	1 U	1 U	1 U	8.5	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1.4	1 U	1 U	1 U	8.5	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
06/0504	20 U	20 U	1.2	1 U	1 U	1 U	6.2	1 U	1.9	1 U	1.2	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	4.0	1 U	1.2	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	7.4	1 U	1.7	1 U	1.4	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	7.8	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	5.8	1 U	1.5	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	7.4	1 U	1.4	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	8.5	1 U	1.5	1 U	1.2	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	8.4	1 U	1.7	1 U	1.4	1.0	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.7	1 U	1.2	1.0	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	6.2	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1.4	1 U	1.2	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	8.4	1 U	1.7	1 U	1.4	1.0	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.7	1 U	1.2	1.0	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	6.2	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1.4	1 U	1.2	1 J	1 U	1 U	1 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-4

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
10/21/94	1330	77.29	10.0	1850	1407	7.1	7.2	57	189	12	.005 U	45
06/20/95	1615	76.96	9.5	2380	2170	7.0	7.0	66	246	5.09 F	.005 U	20 F
08/01/95	1500	76.91	11.0		2400		6.9					
12/20/95	1030	77.06	9.5	2450	2300	7.1	7.0	62	278	12		72 F
07/14/96	1500	77.33	11.0	2530	2700	6.9	6.8	75	489 F	16	.005 U	18
11/25/96	1220	77.49	6.0	2490	2800	7.0	6.9	84	268	12.6	.005 U	20
05/18/97	1030	77.47	9.5	2390	2800	6.9	7.3	78	277	13	.005 U	39
05/18/97 D				2160		7.0		78	270	13	.005 U	48
09/12/97	1650	77.40	10.5	2470	2800	6.9	7.0	81	262	9.7		17 F
05/30/98	1250	77.39	11.0	2500	2700	6.9	6.8	132	197	13.6		11
05/30/98 D				2430		7.0		134	207	13.6		13
12/12/98	1315	77.48	10.0	2490	2700	6.8	6.8	146	167	13.9	.005 M	32
05/21/99	1205	77.50	10.0	2490	2800	6.9	7.1	162	167	14	.005 M	61
09/23/99	1210	77.52	10.0	2550	2700	6.8	6.8	160	168	12.5		50
05/26/00	1840	77.60	10.0	2390	2800	6.9	6.8	212	197	12.0	.005 M	56 F
11/17/00	1200	77.72	9.0	2340	2900	7.2		200	188	12.0		
04/28/01	0845	77.75	10.5	2430	2800	6.9	7.5	220	192	10.8	.005 U	21
10/27/01	1155	77.52	9.5	2480	2800	6.9		221	197	10.4		
04/27/02	0950	77.42	10.0	2500	2800	7.0	6.5	167	211	11.4	.005 U	11
10/25/02	1810	77.54	8.5	2670	3000	7.2	6.1	146	226	11.7		21
05/30/03	1345	77.74	11.5	2720	3000	6.8	7.1	149	208	12.2	.005 U	20
10/03/03	1205	77.83	11.0	2440	3000	6.9	6.7	133	200	12.1		13
06/05/04	1000	77.78	12.0	2470	2800	6.9	6.4	181	181	12.4	.005 U	46
12/02/04	1435	77.83	9.5	2450	2800	6.7	6.8	172	186	11.4		19
05/13/05	1140	77.94	10.5	2470	2900	7.3	7.2	169	184	11.6	.005 U	15
09/09/05	1700	78.00	11.0	2400	2430	7.3	7.3	169	178	13.9		17
04/22/06	1740	78.13	13.0	2130	2445	7.1	7.5	167	1 U	13.5	.005 U	16
10/09/06	1640	78.22	10.5	2480	2430	7.0	7.4	176	162	19.1		17
04/21/07	1620	78.32	10.0	2490	2425	7.0	6.7	176	144	17.9	.005 U	16
10/12/07	1505	78.41	7.0	2480	2390	6.9	7.0	182	125	16.6		21
04/12/08	1817	78.51	10.0	2370	2383	7.0	6.9	199	119	17.7	.005 U	23
09/20/08	1020	78.59	11.0	2380	2365	6.9	6.0	222	105	14.1		18
9/20/DUP				2380		6.9		223	105	13.9		17
05/09/09	1200	78.74	10.5	2350	2314	7.1	6.2	270	94	13.9	.005 U	14
12/02/09	845	78.83	9.0	2260	2260	7.1	6.8	292	80	14.0		37

SL-4 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

SL-4 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
10/21/94	.005 F	.005 U	.28	.002 U	.0005 U	.002 U	.005 J	.003 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/20/95	.002 U	.005 U	.21	.002 U	.0005 U	.002 U	.005 U	.002	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.05
12/20/95	.002 U		.12	.002 U				.001 U	.05 U	.002 U		.02 U				.05 U	.02 J
07/14/96	.004 U	.005 U	.22	.002 U	.003 F	.002 U	.005 U	.001	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/25/96	.002 U	.005 U	.17	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/18/97	.002 U	.005 U	.24	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.03
05/18/97 D	.002 U	.005 U	.24	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02
09/12/97	.003 U		.24	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.04
05/30/98	.003 U	.005 U	.24	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 J
05/30/98 D	.003 U	.005 U	.24	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
12/12/98	.003 U		.22	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02 J
05/21/99	.003 U	.005 U	.24	.001 U	.0001	.001 U	.002 J	.001	.55	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/23/99	.003 U		.18	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/26/00	.003 J	.005 J	.16	.001 U	.0001 J	.007	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 U	.02 U
11/17/00	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01
04/28/01	.05 U	.005 U	.2	.001 U	.001 J	.01 J	.01 U	.01	.03 F	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/27/02	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		.2	.001 U				.01 U	.03	.01 U		.03				.1 U	.01
05/30/03	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.007	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01
06/05/04	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03	.01 U	.001 U	.01	.009	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.06	.01 U	.001 U	.01	.006	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.007	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
04/12/08	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
9/20/DUP	.005 U		.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/09/09	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03	.01 U	.001 U	.01 U	.011	.005 U	.005 U	.1 U	.01 U

SL-4 TRACE METALS

SL-4 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
10/21/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
11/25/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
05/18/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/18/97 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/30/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-4 ORGANICS - TABLE ONE LIST

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
10/21/94	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	10 U	10 U
03/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	5	1 U	4	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	4	1 U	4	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/18/97	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/18/97 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	4	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98 D	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	3	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 M	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	1 U	1 J	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 J	1.1	1 U	1 U	1.7	1 U	2.1	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1.0	1 U	1 U	1.7	1 U	2.2	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 J	1 U	1 U	1.2	1 U	1.5	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.5	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.8	1 U	1.9	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.8	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.4	1 U	1.4	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.3	1 U	1.4	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.2	1 U	1.6	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.4	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.2	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.1	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1.1	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
9/20/DUP	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/09/09	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
10/21/94	20 J	10 J	5 U	1 U	1 U	1 U	13	1 J	1	1 U	1 J	2	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 J	1 U	1 U	1 U	26	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 X	1 U	1 U	1 U	30	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 X	1 U	1 U	1 U	33	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	5 U	1 U	1 U	1 U	31	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
11/25/96 D	20 U	20 U	5 U	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/18/97	20 U	20 U	5 X	1 U	1 U	1 U	29	1 U	2	1 U	1	3	1 U	10 U	1 U	1 U
05/18/97 D	20 U	20 U	5 X	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 B	1 U	1 U	1 U	34	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 B	1 U	1 U	1 U	39	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
05/30/98 D	20 U	20 U	5 B	1 U	1 U	1 U	38	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	36	1 U	2	1 U	1	2	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 B	1 U	1 U	1 U	27	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 B	1 U	1 U	1 U	34	1 U	1 U	1 U	1	1	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	5 B	1 U	1 U	1 U	30	1 U	1	1 U	1 J	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1.1	1 U	1 U	1 U	32	1 U	1.2	1 U	1.1	1 J	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 J	1 U	1 U	1 U	34	1 U	1.3	1 U	1.2	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 J	1 U	1 U	1 U	28	1 U	1.1	1 U	1.0	1 J	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.1	1 U	1 U	1 U	31	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.0	1 U	1 U	1 U	32	1 U	1 J	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	23	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	33	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	25	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	20	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	28	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	22	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-4

ORGANICS - TABLE ONE LIST

SL-5 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	no$_3$ + no$_2$ as N	cyanide	cod
11/03/94	0900	83.03	5.0	957	734	7.5		73	20	.92	.005 U	30
06/20/95	1240	83.51	9.5	1020	803	7.4	7.1	29	15	.63 F	.005 U	57 F
08/01/95	1400	83.50	11.5		950		6.9					
12/20/95	1215	83.63	9.5	1130	950	7.5	7.2	44	20	1.19		34 F
07/13/96	1930	83.50	10.5	1050	1090	7.3	7.2	32	104 F	.95	.005 U	27
11/23/96	1445	84.11	7.0	989	1090	7.5	7.4	30	17	.60	.005 U	33
05/19/97	0950	84.02	10.0	996	1200	7.3	7.6	51	19	1.4	.005 U	57
09/12/97	1250	83.95	11.0	1150	1190	7.3	7.3	72	23	1.35		32 F
09/12/97 D				1140		7.3		63	23	1.17		63 F
05/31/98	1530	83.80	12.0	896	980	7.5	7.2	22	17	.47		25
12/12/98	1500	83.94	10.5	811	900	7.4	7.3	28	16	.88	.005 M	9
05/22/99	1050	84.95	10.0	901	1000	7.5	7.1	27	16	1.39	.005 M	44
09/24/99	1155	84.00	11.0	902	1100	7.3	7.3	21	286 R	1.01		33
05/27/00	0915	84.09	10.5	783	850	7.4	7.3	28	12	.54	.005 M	19 F
11/17/00	1345	84.22	9.0	726	830	7.7		23	11	.53		
04/28/01	1050	84.14	11.0	877	990	7.3	7.5	23	16	1.04	.005 U	21
10/27/01	1330	83.97	10.5	992	1010	7.3		34	18	1.11		
04/27/02	1135	83.78	10.0	826	890	7.4	7.4	28	12	.29	.005 U	12
10/26/02	0940	83.96	9.5	832	870	7.4	7.4	25	11	.59		13
05/30/03	1740	84.22	12.0	931	940	7.2	7.5	42	12	1.19	.005 U	5
10/03/03	1450	84.33	12.0	866	990	7.2	7.0	61	12	1.32		4
06/05/04	1500	84.16	13.0	882	970	7.4	7.3	47	13	1.05	.005 U	25
12/03/04	1245	84.33	9.5	786	800	7.1	7.2	31	11	.59		9
05/14/05	1045	84.47	10.5	795	850	7.5	7.4	3	1 U	.64	.005 U	8
09/10/05	0900	84.52	10.5	795	790	7.5	7.2	28	11	.68		11
04/22/06	1610	84.69	13.0	704	759	7.6	7.4	27	9	.61	.005 U	7
10/09/06	1515	84.74	10.5	791	761	7.4	7.0	26	10	.64		6
04/21/07	1505	84.86	10.0	763	732	7.4	7.2	22	9	.50	.005 U	9
10/13/07	1200	84.94	10.0	737	722	7.2	7.3	21	8	.43		6
04/13/08	1400	85.03	10.5	683	696	7.4	7.4	19	7	.40	.005 U	10
09/20/08	1140	85.12	11.0	685	632	7.3	6.9	25	7	.40		11
05/09/09	1315	85.27	10.5	675	654	7.4	6.6	24	6	.41	.005 U	3
12/02/09	1500	85.37	8.0	657	670	7.4	7.3	18	6	.33		8

SL-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-5 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
11/03/94	.002 F	.005 U	.20	.002 U	.0005 U	.002 U	.002 U	.009 F	.40	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/20/95	.002 U	.005 U	.37	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 J	.03
12/20/95	.002 U		.37	.002 U				.001 U	.05 J	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 U	.40	.002 U	.011 F	.002 U	.005 U	.001 U	.03	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/23/96	.002 U	.005 U	.32	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/19/97	.002 U	.005 U	.45	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.09
09/12/97	.003 U		.49	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.03
09/12/97 D	.003 U		.49	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.03
05/31/98	.003 U	.005 U	.37	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 J
12/12/98	.003 U		.34	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.02 U
05/22/99	.003 U	.005 U	.38	.001 U	.0001 U	.001 U	.002 U	.001 J	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/24/99	.003 U		.35	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.29	.001 U	.0001 J	.005 J	.002 J	.005 U	.05 J	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 U	.02 J
11/17/00	.05 U		.3	.001 U				.01 U	.07	.01 U		.01 U				.1 U	.01 J
04/28/01	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.04 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.5	.001 U				.01 U	.07	.01 U		.01 J				.1 U	.01 U
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.3	.001 U				.01 U	.09	.01 U		.01 U				.1 U	.01
05/30/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.08	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.4	.001 U				.01 U	.07	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.4	.001 U				.01 U	.08	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.3	.001 U				.01 U	.05	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.3	.001 U				.01 U	.05	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.02
10/13/07	.05 U		.3	.001 U				.01 U	.06	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.08	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.3	.001 U				.01 U	.08	.01 U		.01 U				.1 U	.01 U
05/09/09	.005 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.06	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-5

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
11/03/94	20 X	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 J	1 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/19/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
09/12/97 D	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-5

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
11/03/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/19/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97 D	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/09/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-5 RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
11/03/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/19/97	20 U	20 U	5 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-5 ORGANICS - TABLE ONE LIST

SL-6 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/02/09	1315	79.38	9.0	1460	1490	7.4	7.1	166	45	7.1 D	.005 U	15

SL-6 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-6 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
12/02/09	.005 U	.005 U	.10	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.009	.005 U	.005 U	.1 U	.01 U

SL-6 TRACE METALS

SL-6

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/02/09	20 U	20 U	3.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-6 ORGANICS - TABLE ONE LIST

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/02/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-6

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/02/09	20 U	20 U	1 U	1 U	1 U	1 U	12	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U

SL-6

ORGANICS - TABLE ONE LIST

SL-7

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/01/09	1541	64.03	8.0	1600	1610	7.0	6.6	154	14	8.2	.005 U	23

SL-7 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-7 **RICHLAND COUNTY LANDFILL # 102**

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
12/01/09	.005 U	.005 U	.1 U	.001 U	.001 U	.01 U	.01 U	.01 U	.35	.01 U	.001 U	.01	.005 U	.005 U	.005 U	.1 U	.01 U

SL-7 **TRACE METALS**

SL-7 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-7 ORGANICS - TABLE ONE LIST

SL-7

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-7 **ORGANICS - TABLE ONE LIST**

SL-7

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	23	1 U	2.8	1 U	1 J	1.2	1 U	1 U	1 U	1 U

SL-7

ORGANICS - TABLE ONE LIST

SL-8 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/01/09	1413	56.01	9.5	1850	1875	7.0	6.5	281	13	3.08	.005 U	30

SL-8 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-8 **RICHLAND COUNTY LANDFILL # 102**

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
12/01/09	.005 U	.005 U	.2	.001 U	.001 U	1 U	.02	.01 U	.03 U	.01 U	.001 U	.03	.005 U	.005 U	.005 U	.1 U	.01 U

SL-8

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-8 ORGANICS - TABLE ONE LIST

SL-8

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-8

ORGANICS - TABLE ONE LIST

SL-8

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1.1	1 U	1 U	1 U	14	1 U	1.6	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-8

ORGANICS - TABLE ONE LIST

SL-9 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
12/01/09	0943	39.37	7.5	2170	2180	6.9	6.4	96	196	3.48	.005 U	12
12/01/DUP				2180		6.9		96	196	3.73		18

SL-9 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-9 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
12/01/09	.005 U	.005 U	.2	.001 U	.001 U	.01 U	.02	.01 U	.09	.01 U	.001 U	.01	.012	.005 U	.005 U	.1 U	.01 U
12/01/DUP	.005 U	.005 U	.2	.001 U	.001 U	.01 U	.01	.01 U	.08	.01 U	.001 U	.01	.012	.005 U	.005 U	.1 U	.01 U

SL-9 TRACE METALS

SL-9

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/01/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-9

ORGANICS - TABLE ONE LIST

SL-9

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
12/01/09	1 U	1 U	1 U	1 U	1.6	3.7	1 U	1 U	2.3	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/01/DUP	1 U	1 U	1 U	1 U	1.4	3.8	1 U	1 U	2.2	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-9

ORGANICS - TABLE ONE LIST

SL-9

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
12/01/09	20 U	20 U	1 U	1 U	1 U	1 U	10	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/01/DUP	20 U	20 U	1 U	1 U	1 U	1 U	9.3	1 U	1.4	1 U	1 J	1 J	1 U	1 U	1 U	1 U

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102
Lab ID: B09120491-001
Client Sample ID: Lamphieus

Report Date: 12/15/09
Collection Date: 12/02/09 15:50
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		A4500-H B	12/04/09 12:44 / jlh
Conductivity @ 25 C	655	umhos/cm		5		A2510 B	12/04/09 12:44 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	307	mg/L		4		A2320 B	12/04/09 23:30 / ehb
Chloride	19	mg/L		1		E300.0	12/08/09 00:20 / kh
Sulfate	18	mg/L		1		E300.0	12/08/09 00:20 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	12/04/09 15:35 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	0.09	mg/L		0.05		E350.1	12/04/09 15:12 / sam
Nitrogen, Nitrate+Nitrite as N	0.07	mg/L		0.01		E353.2	12/09/09 10:27 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 13:03 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 13:03 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Chloroform	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102
Lab ID: B09120491-001
Client Sample ID: Lamphieus

Report Date: 12/15/09
Collection Date: 12/02/09 15:50
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 13:03 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 13:03 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 13:03 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Tetrachloroethene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Trichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 13:03 / mle
Surr: 1,2-Dichloroethane-d4	103	%REC		70-130		SW8260B	12/08/09 13:03 / mle
Surr: Dibromofluoromethane	99.0	%REC		77-126		SW8260B	12/08/09 13:03 / mle
Surr: p-Bromofluorobenzene	96.0	%REC		76-127		SW8260B	12/08/09 13:03 / mle
Surr: Toluene-d8	104	%REC		79-122		SW8260B	12/08/09 13:03 / mle

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102
Lab ID: B09120491-002
Client Sample ID: S-3

Report Date: 12/15/09
Collection Date: 11/30/09 12:00
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.2	s.u.		0.1		A4500-H B	12/04/09 12:48 / jlh
Conductivity @ 25 C	1120	umhos/cm		5		A2510 B	12/04/09 12:48 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	288	mg/L		4		A2320 B	12/04/09 23:37 / ehb
Chloride	87	mg/L		1		E300.0	12/08/09 00:31 / kh
Sulfate	195	mg/L		1		E300.0	12/08/09 00:31 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	8	mg/L		5		E410.4	12/04/09 15:35 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	12/04/09 15:13 / sam
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	12/09/09 10:28 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 13:38 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 13:38 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Chloroform	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102
Lab ID: B09120491-002
Client Sample ID: S-3

Report Date: 12/15/09
Collection Date: 11/30/09 12:00
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 13:38 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 13:38 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 13:38 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Tetrachloroethene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Trichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 13:38 / mle
Surr: 1,2-Dichloroethane-d4	102	%REC		70-130		SW8260B	12/08/09 13:38 / mle
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	12/08/09 13:38 / mle
Surr: p-Bromofluorobenzene	93.0	%REC		76-127		SW8260B	12/08/09 13:38 / mle
Surr: Toluene-d8	102	%REC		79-122		SW8260B	12/08/09 13:38 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102
Lab ID: B09120491-003
Client Sample ID: S-5

Report Date: 12/15/09
Collection Date: 11/30/09 11:30
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.6	s.u.		0.1		A4500-H B	12/04/09 12:49 / jlh
Conductivity @ 25 C	394	umhos/cm		5		A2510 B	12/04/09 12:49 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	173	mg/L		4		A2320 B	12/04/09 23:43 / ehb
Chloride	7	mg/L		1		E300.0	12/08/09 01:06 / kh
Sulfate	15	mg/L		1		E300.0	12/08/09 01:06 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	12/04/09 15:35 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	12/04/09 15:14 / sam
Nitrogen, Nitrate+Nitrite as N	0.45	mg/L		0.01		E353.2	12/09/09 10:23 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 14:13 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 14:13 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Chloroform	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102
Lab ID: B09120491-003
Client Sample ID: S-5

Report Date: 12/15/09
Collection Date: 11/30/09 11:30
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 14:13 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 14:13 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 14:13 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Tetrachloroethene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Trichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 14:13 / mle
Surr: 1,2-Dichloroethane-d4	103	%REC		70-130		SW8260B	12/08/09 14:13 / mle
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	12/08/09 14:13 / mle
Surr: p-Bromofluorobenzene	96.0	%REC		76-127		SW8260B	12/08/09 14:13 / mle
Surr: Toluene-d8	104	%REC		79-122		SW8260B	12/08/09 14:13 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Not Indicated
Lab ID: B09120492-001
Client Sample ID: SL-1

Report Date: 12/17/09
Collection Date: 11/30/09 14:45
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.5	s.u.		0.1		A4500-H B	12/04/09 14:01 / jlh
Conductivity @ 25 C	634	umhos/cm		5		A2510 B	12/04/09 14:01 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	286	mg/L		4		A2320 B	12/04/09 23:57 / ehb
Chloride	2	mg/L		1		E300.0	12/08/09 01:29 / kh
Sulfate	11	mg/L		1		E300.0	12/08/09 01:29 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	31	mg/L		5		E410.4	12/07/09 11:45 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	12/04/09 15:17 / sam
Nitrogen, Nitrate+Nitrite as N	6.35	mg/L	D	0.06		E353.2	12/09/09 10:33 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 15:22 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 15:22 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Chloroform	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,4-Dichlorobenzene	0.93	ug/L	J	1.0		SW8260B	12/08/09 15:22 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
cis-1,2-Dichloroethene	0.90	ug/L	J	1.0		SW8260B	12/08/09 15:22 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	11/30/09 14:45
Lab ID:	B09120492-001	**DateReceived:**	12/04/09
Client Sample ID:	SL-1	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 15:22 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 15:22 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 15:22 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Tetrachloroethene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Trichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 15:22 / mle
Surr: 1,2-Dichloroethane-d4	103	%REC		70-130		SW8260B	12/08/09 15:22 / mle
Surr: Dibromofluoromethane	100	%REC		77-126		SW8260B	12/08/09 15:22 / mle
Surr: p-Bromofluorobenzene	96.0	%REC		76-127		SW8260B	12/08/09 15:22 / mle
Surr: Toluene-d8	105	%REC		79-122		SW8260B	12/08/09 15:22 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Not Indicated
Lab ID: B09120492-002
Client Sample ID: SL-2

Report Date: 12/17/09
Collection Date: 11/30/09 14:20
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500-H B	12/04/09 14:02 / jlh
Conductivity @ 25 C	1180	umhos/cm		5		A2510 B	12/04/09 14:02 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	488	mg/L		4		A2320 B	12/05/09 00:02 / ehb
Chloride	53	mg/L		1		E300.0	12/08/09 01:41 / kh
Sulfate	81	mg/L		1		E300.0	12/08/09 01:41 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	14	mg/L		5		E410.4	12/07/09 11:45 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	12/04/09 15:18 / sam
Nitrogen, Nitrate+Nitrite as N	5.11	mg/L	D	0.06		E353.2	12/09/09 10:34 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 15:57 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 15:57 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Chloroform	1.2	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Dichlorodifluoromethane	0.35	ug/L	J	1.0		SW8260B	12/08/09 15:57 / mle
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than t
reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Not Indicated
Lab ID: B09120492-002
Client Sample ID: SL-2

Report Date: 12/17/09
Collection Date: 11/30/09 14:20
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 15:57 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 15:57 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 15:57 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Tetrachloroethene	5.7	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
1,1,1-Trichloroethane	0.64	ug/L	J	1.0		SW8260B	12/08/09 15:57 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Trichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Trichlorofluoromethane	0.39	ug/L	J	1.0		SW8260B	12/08/09 15:57 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 15:57 / mle
Surr: 1,2-Dichloroethane-d4	100	%REC		70-130		SW8260B	12/08/09 15:57 / mle
Surr: Dibromofluoromethane	98.0	%REC		77-126		SW8260B	12/08/09 15:57 / mle
Surr: p-Bromofluorobenzene	95.0	%REC		76-127		SW8260B	12/08/09 15:57 / mle
Surr: Toluene-d8	104	%REC		79-122		SW8260B	12/08/09 15:57 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Not Indicated
Lab ID: B09120492-003
Client Sample ID: SL-3

Report Date: 12/17/09
Collection Date: 12/02/09 10:45
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.8	s.u.		0.1		A4500-H B	12/04/09 14:04 / jlh
Conductivity @ 25 C	2510	umhos/cm		5		A2510 B	12/04/09 14:04 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	971	mg/L		4		A2320 B	12/05/09 00:11 / ehb
Chloride	300	mg/L	D	2		E300.0	12/08/09 01:53 / kh
Sulfate	14	mg/L	D	10		E300.0	12/08/09 01:53 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	15	mg/L		5		E410.4	12/07/09 11:45 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	12/04/09 15:19 / sam
Nitrogen, Nitrate+Nitrite as N	0.58	mg/L		0.01		E353.2	12/09/09 10:35 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 16:32 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 16:32 / mle
Benzene	0.56	ug/L	J	1.0		SW8260B	12/08/09 16:32 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Chloroethane	0.30	ug/L	J	1.0		SW8260B	12/08/09 16:32 / mle
Chloroform	0.84	ug/L	J	1.0		SW8260B	12/08/09 16:32 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Dichlorodifluoromethane	3.1	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
1,1-Dichloroethane	3.4	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
cis-1,2-Dichloroethene	3.0	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than
reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/02/09 10:45
Lab ID:	B09120492-003	**DateReceived:**	12/04/09
Client Sample ID:	SL-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloropropane	0.58	ug/L	J	1.0		SW8260B	12/08/09 16:32 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 16:32 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 16:32 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 16:32 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Tetrachloroethene	9.1	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
1,1,1-Trichloroethane	1.4	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Trichloroethene	1.2	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Trichlorofluoromethane	0.89	ug/L	J	1.0		SW8260B	12/08/09 16:32 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 16:32 / mle
Surr: 1,2-Dichloroethane-d4	104	%REC		70-130		SW8260B	12/08/09 16:32 / mle
Surr: Dibromofluoromethane	98.0	%REC		77-126		SW8260B	12/08/09 16:32 / mle
Surr: p-Bromofluorobenzene	96.0	%REC		76-127		SW8260B	12/08/09 16:32 / mle
Surr: Toluene-d8	103	%REC		79-122		SW8260B	12/08/09 16:32 / mle

- The sample was received in the laboratory with a pH > 2. The pH was 6.

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Not Indicated
Lab ID: B09120492-004
Client Sample ID: SL-4

Report Date: 12/17/09
Collection Date: 12/02/09 08:45
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.1	s.u.		0.1		A4500-H B	12/04/09 14:05 / jlh
Conductivity @ 25 C	2260	umhos/cm		5		A2510 B	12/04/09 14:05 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	915	mg/L		4		A2320 B	12/05/09 00:19 / ehb
Chloride	80	mg/L		1		E300.0	12/08/09 02:27 / kh
Sulfate	292	mg/L		1		E300.0	12/08/09 02:27 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	37	mg/L		5		E410.4	12/07/09 11:45 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	12/04/09 15:23 / sam
Nitrogen, Nitrate+Nitrite as N	14.0	mg/L	D	0.06		E353.2	12/09/09 10:37 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 17:07 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 17:07 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Chloroform	0.60	ug/L	J	1.0		SW8260B	12/08/09 17:07 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Dichlorodifluoromethane	0.38	ug/L	J	1.0		SW8260B	12/08/09 17:07 / mle
1,1-Dichloroethane	0.31	ug/L	J	1.0		SW8260B	12/08/09 17:07 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
cis-1,2-Dichloroethene	0.40	ug/L	J	1.0		SW8260B	12/08/09 17:07 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
J - Estimated value. The analyte was present but less than
reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/02/09 08:45
Lab ID:	B09120492-004	**DateReceived:**	12/04/09
Client Sample ID:	SL-4	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloropropane	0.73	ug/L	J	1.0		SW8260B	12/08/09 17:07 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 17:07 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 17:07 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 17:07 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Tetrachloroethene	27	ug/L		5.0		SW8260B	12/09/09 11:09 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
1,1,1-Trichloroethane	0.39	ug/L	J	1.0		SW8260B	12/08/09 17:07 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Trichloroethene	0.70	ug/L	J	1.0		SW8260B	12/08/09 17:07 / mle
Trichlorofluoromethane	0.47	ug/L	J	1.0		SW8260B	12/08/09 17:07 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 17:07 / mle
Surr: 1,2-Dichloroethane-d4	104	%REC		70-130		SW8260B	12/08/09 17:07 / mle
Surr: Dibromofluoromethane	96.0	%REC		77-126		SW8260B	12/08/09 17:07 / mle
Surr: p-Bromofluorobenzene	98.0	%REC		76-127		SW8260B	12/08/09 17:07 / mle
Surr: Toluene-d8	102	%REC		79-122		SW8260B	12/08/09 17:07 / mle

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES
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Toll Free 800.735.4489 * 406.252.6325 * FAX 406.252.6069 * eli@energylab.com *

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/02/09 13:00
Lab ID:	B09120492-005	**DateReceived:**	12/04/09
Client Sample ID:	SL-5	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		A4500-H B	12/04/09 14:07 / jlh
Conductivity @ 25 C	657	umhos/cm		5		A2510 B	12/04/09 14:07 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	330	mg/L		4		A2320 B	12/07/09 17:10 / ehb
Chloride	6	mg/L		1		E300.0	12/08/09 02:39 / kh
Sulfate	18	mg/L		1		E300.0	12/08/09 02:39 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	8	mg/L		5		E410.4	12/07/09 11:45 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	12/04/09 15:26 / sam
Nitrogen, Nitrate+Nitrite as N	0.33	mg/L		0.01		E353.2	12/09/09 10:51 / bls
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 17:42 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 17:42 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Chloroform	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/02/09 13:00
Lab ID:	B09120492-005	**DateReceived:**	12/04/09
Client Sample ID:	SL-5	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 17:42 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 17:42 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 17:42 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Tetrachloroethene	ND	ug/L		1.0		SW8260B	12/09/09 10:34 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Trichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 17:42 / mle
Surr: 1,2-Dichloroethane-d4	104	%REC		70-130		SW8260B	12/08/09 17:42 / mle
Surr: Dibromofluoromethane	94.0	%REC		77-126		SW8260B	12/08/09 17:42 / mle
Surr: p-Bromofluorobenzene	101	%REC		76-127		SW8260B	12/08/09 17:42 / mle
Surr: Toluene-d8	104	%REC		79-122		SW8260B	12/08/09 17:42 / mle

Report Definitions:	RL - Analyte reporting limit. QCL - Quality control limit.	MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/02/09 13:15
Lab ID:	B09120492-006	**DateReceived:**	12/04/09
Client Sample ID:	SL-6	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		A4500-H B	12/04/09 14:09 / jlh
Conductivity @ 25 C	1460	umhos/cm		5		A2510 B	12/04/09 14:09 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	585	mg/L		4		A2320 B	12/07/09 17:17 / ehb
Chloride	45	mg/L		1		E300.0	12/08/09 02:51 / kh
Sulfate	166	mg/L		1		E300.0	12/08/09 02:51 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	12/12/09 16:32 / klc
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	15	mg/L		5		E410.4	12/07/09 11:45 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	0.20	mg/L		0.05		E350.1	12/04/09 15:28 / sam
Nitrogen, Nitrate+Nitrite as N	7.1	mg/L	D	0.1		E353.2	12/09/09 10:52 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	12/08/09 05:27 / jjw
Arsenic	ND	mg/L		0.005		E200.8	12/08/09 05:27 / jjw
Barium	0.1	mg/L		0.1		E200.7	12/07/09 17:18 / tao
Beryllium	ND	mg/L		0.001		E200.7	12/07/09 17:18 / tao
Cadmium	ND	mg/L		0.001		E200.8	12/08/09 05:27 / jjw
Chromium	ND	mg/L		0.01		E200.7	12/07/09 17:18 / tao
Cobalt	ND	mg/L		0.01		E200.7	12/07/09 17:18 / tao
Copper	ND	mg/L		0.01		E200.7	12/07/09 17:18 / tao
Iron	ND	mg/L		0.03		E200.7	12/07/09 17:18 / tao
Lead	ND	mg/L		0.01		E200.8	12/08/09 05:27 / jjw
Mercury	ND	mg/L		0.001		E200.8	12/08/09 05:27 / jjw
Nickel	ND	mg/L		0.01		E200.7	12/07/09 17:18 / tao
Selenium	0.009	mg/L		0.005		E200.8	12/08/09 05:27 / jjw
Silver	ND	mg/L		0.005		E200.8	12/08/09 05:27 / jjw
Thallium	ND	mg/L		0.005		E200.8	12/08/09 05:27 / jjw
Vanadium	ND	mg/L		0.1		E200.7	12/07/09 17:18 / tao
Zinc	ND	mg/L		0.01		E200.8	12/08/09 05:27 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 18:17 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 18:17 / mle
Benzene	3.1	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.
	D - RL increased due to sample matrix interference.	

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Not Indicated
Lab ID: B09120492-006
Client Sample ID: SL-6

Report Date: 12/17/09
Collection Date: 12/02/09 13:15
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Chloroform	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
cis-1,2-Dichloroethene	0.29	ug/L	J	1.0		SW8260B	12/08/09 18:17 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 18:17 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 18:17 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 18:17 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Tetrachloroethene	12	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Toluene	0.34	ug/L	J	1.0		SW8260B	12/08/09 18:17 / mle
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Trichloroethene	0.33	ug/L	J	1.0		SW8260B	12/08/09 18:17 / mle
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Not Indicated
Lab ID: B09120492-006
Client Sample ID: SL-6

Report Date: 12/17/09
Collection Date: 12/02/09 13:15
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 18:17 / mle
Surr: 1,2-Dichloroethane-d4	101	%REC		70-130		SW8260B	12/08/09 18:17 / mle
Surr: Dibromofluoromethane	97.0	%REC		77-126		SW8260B	12/08/09 18:17 / mle
Surr: p-Bromofluorobenzene	100	%REC		76-127		SW8260B	12/08/09 18:17 / mle
Surr: Toluene-d8	104	%REC		79-122		SW8260B	12/08/09 18:17 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Not Indicated
Lab ID: B09120492-007
Client Sample ID: SL-7

Report Date: 12/17/09
Collection Date: 12/01/09 15:41
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.1		A4500-H B	12/04/09 14:10 / jlh
Conductivity @ 25 C	1600	umhos/cm		5		A2510 B	12/04/09 14:10 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	733	mg/L		4		A2320 B	12/07/09 17:23 / ehb
Chloride	14	mg/L		1		E300.0	12/08/09 03:02 / kh
Sulfate	154	mg/L		1		E300.0	12/08/09 03:02 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	12/12/09 16:34 / klc
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	23	mg/L		5		E410.4	12/07/09 11:45 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	ND	mg/L		0.05		E350.1	12/04/09 15:29 / sam
Nitrogen, Nitrate+Nitrite as N	8.2	mg/L	D	0.1		E353.2	12/09/09 10:53 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	12/08/09 05:31 / jjw
Arsenic	ND	mg/L		0.005		E200.8	12/08/09 05:31 / jjw
Barium	ND	mg/L		0.1		E200.7	12/07/09 17:22 / tao
Beryllium	ND	mg/L		0.001		E200.7	12/07/09 17:22 / tao
Cadmium	ND	mg/L		0.001		E200.8	12/08/09 05:31 / jjw
Chromium	ND	mg/L		0.01		E200.7	12/07/09 17:22 / tao
Cobalt	ND	mg/L		0.01		E200.7	12/07/09 17:22 / tao
Copper	ND	mg/L		0.01		E200.8	12/08/09 05:31 / jjw
Iron	0.35	mg/L		0.03		E200.7	12/07/09 17:22 / tao
Lead	ND	mg/L		0.01		E200.8	12/08/09 05:31 / jjw
Mercury	ND	mg/L		0.001		E200.8	12/08/09 05:31 / jjw
Nickel	0.01	mg/L		0.01		E200.7	12/07/09 17:22 / tao
Selenium	ND	mg/L		0.005		E200.8	12/08/09 05:31 / jjw
Silver	ND	mg/L		0.005		E200.8	12/09/09 19:05 / aje
Thallium	ND	mg/L		0.005		E200.8	12/08/09 05:31 / jjw
Vanadium	ND	mg/L		0.1		E200.7	12/07/09 17:22 / tao
Zinc	ND	mg/L		0.01		E200.8	12/08/09 05:31 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 18:52 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 18:52 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/01/09 15:41
Lab ID:	B09120492-007	**DateReceived:**	12/04/09
Client Sample ID:	SL-7	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Chloroform	0.37	ug/L	J	1.0		SW8260B	12/08/09 18:52 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Dichlorodifluoromethane	0.43	ug/L	J	1.0		SW8260B	12/08/09 18:52 / mle
1,1-Dichloroethane	1.0	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
cis-1,2-Dichloroethene	0.53	ug/L	J	1.0		SW8260B	12/08/09 18:52 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 18:52 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 18:52 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 18:52 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Tetrachloroethene	23	ug/L		5.0		SW8260B	12/09/09 11:44 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,1,1-Trichloroethane	2.8	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Trichloroethene	0.92	ug/L	J	1.0		SW8260B	12/08/09 18:52 / mle
Trichlorofluoromethane	1.2	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.
	J - Estimated value. The analyte was present but less than the reporting limit.	

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Not Indicated
Lab ID: B09120492-007
Client Sample ID: SL-7

Report Date: 12/17/09
Collection Date: 12/01/09 15:41
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 18:52 / mle
Surr: 1,2-Dichloroethane-d4	101	%REC		70-130		SW8260B	12/08/09 18:52 / mle
Surr: Dibromofluoromethane	103	%REC		77-126		SW8260B	12/08/09 18:52 / mle
Surr: p-Bromofluorobenzene	98.0	%REC		76-127		SW8260B	12/08/09 18:52 / mle
Surr: Toluene-d8	102	%REC		79-122		SW8260B	12/08/09 18:52 / mle

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/01/09 14:13
Lab ID:	B09120492-008	**DateReceived:**	12/04/09
Client Sample ID:	SL-8	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.1		A4500-H B	12/04/09 14:12 / jlh
Conductivity @ 25 C	1850	umhos/cm		5		A2510 B	12/04/09 14:12 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	785	mg/L		4		A2320 B	12/07/09 17:31 / ehb
Chloride	13	mg/L		1		E300.0	12/08/09 03:14 / kh
Sulfate	281	mg/L		1		E300.0	12/08/09 03:14 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	12/12/09 16:36 / klc
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	30	mg/L		5		E410.4	12/07/09 11:45 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	0.11	mg/L		0.05		E350.1	12/04/09 15:30 / sam
Nitrogen, Nitrate+Nitrite as N	3.08	mg/L	D	0.02		E353.2	12/09/09 11:00 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	12/08/09 05:36 / jjw
Arsenic	ND	mg/L		0.005		E200.8	12/08/09 05:36 / jjw
Barium	0.2	mg/L		0.1		E200.7	12/07/09 17:42 / tao
Beryllium	ND	mg/L		0.001		E200.7	12/07/09 17:42 / tao
Cadmium	ND	mg/L		0.001		E200.8	12/08/09 05:36 / jjw
Chromium	ND	mg/L		0.01		E200.7	12/07/09 17:42 / tao
Cobalt	0.02	mg/L		0.01		E200.7	12/07/09 17:42 / tao
Copper	ND	mg/L		0.01		E200.8	12/08/09 05:36 / jjw
Iron	ND	mg/L		0.03		E200.7	12/07/09 17:42 / tao
Lead	ND	mg/L		0.01		E200.8	12/08/09 05:36 / jjw
Mercury	ND	mg/L		0.001		E200.8	12/08/09 05:36 / jjw
Nickel	0.03	mg/L		0.01		E200.7	12/07/09 17:42 / tao
Selenium	ND	mg/L		0.005		E200.8	12/08/09 05:36 / jjw
Silver	ND	mg/L		0.005		E200.7	12/07/09 17:42 / tao
Thallium	ND	mg/L		0.005		E200.8	12/08/09 05:36 / jjw
Vanadium	ND	mg/L		0.1		E200.7	12/07/09 17:42 / tao
Zinc	ND	mg/L		0.01		E200.8	12/08/09 05:36 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 19:26 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 19:26 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/01/09 14:13
Lab ID:	B09120492-008	**DateReceived:**	12/04/09
Client Sample ID:	SL-8	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Chloroform	0.37	ug/L	J	1.0		SW8260B	12/08/09 19:26 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,1-Dichloroethane	1.3	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
cis-1,2-Dichloroethene	0.37	ug/L	J	1.0		SW8260B	12/08/09 19:26 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 19:26 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 19:26 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 19:26 / mle
Methylene chloride	1.1	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Tetrachloroethene	14	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,1,1-Trichloroethane	1.6	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Trichloroethene	0.44	ug/L	J	1.0		SW8260B	12/08/09 19:26 / mle
Trichlorofluoromethane	0.45	ug/L	J	1.0		SW8260B	12/08/09 19:26 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/01/09 14:13
Lab ID:	B09120492-008	**DateReceived:**	12/04/09
Client Sample ID:	SL-8	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 19:26 / mle
Surr: 1,2-Dichloroethane-d4	105	%REC		70-130		SW8260B	12/08/09 19:26 / mle
Surr: Dibromofluoromethane	106	%REC		77-126		SW8260B	12/08/09 19:26 / mle
Surr: p-Bromofluorobenzene	101	%REC		76-127		SW8260B	12/08/09 19:26 / mle
Surr: Toluene-d8	98.0	%REC		79-122		SW8260B	12/08/09 19:26 / mle

Report Definitions:	RL - Analyte reporting limit. QCL - Quality control limit.	MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/01/09 09:43
Lab ID:	B09120492-009	**DateReceived:**	12/04/09
Client Sample ID:	SL-9	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500-H B	12/04/09 14:14 / jlh
Conductivity @ 25 C	2170	umhos/cm		5		A2510 B	12/04/09 14:14 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	860	mg/L		4		A2320 B	12/07/09 17:39 / ehb
Chloride	196	mg/L		1		E300.0	12/08/09 03:49 / kh
Sulfate	96	mg/L		1		E300.0	12/08/09 03:49 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	12/12/09 16:38 / klc
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	12	mg/L		5		E410.4	12/07/09 11:45 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	0.08	mg/L		0.05		E350.1	12/04/09 15:31 / sam
Nitrogen, Nitrate+Nitrite as N	3.48	mg/L		0.01		E353.2	12/09/09 11:02 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	12/08/09 05:59 / jjw
Arsenic	ND	mg/L		0.005		E200.8	12/08/09 05:59 / jjw
Barium	0.2	mg/L		0.1		E200.7	12/07/09 17:46 / tao
Beryllium	ND	mg/L		0.001		E200.7	12/07/09 17:46 / tao
Cadmium	ND	mg/L		0.001		E200.8	12/08/09 05:59 / jjw
Chromium	ND	mg/L		0.01		E200.7	12/07/09 17:46 / tao
Cobalt	0.02	mg/L		0.01		E200.7	12/07/09 17:46 / tao
Copper	ND	mg/L		0.01		E200.8	12/08/09 05:59 / jjw
Iron	0.09	mg/L		0.03		E200.7	12/07/09 17:46 / tao
Lead	ND	mg/L		0.01		E200.8	12/08/09 05:59 / jjw
Mercury	ND	mg/L		0.001		E200.8	12/08/09 05:59 / jjw
Nickel	0.01	mg/L		0.01		E200.7	12/07/09 17:46 / tao
Selenium	0.012	mg/L		0.005		E200.8	12/08/09 05:59 / jjw
Silver	ND	mg/L		0.005		E200.8	12/08/09 05:59 / jjw
Thallium	ND	mg/L		0.005		E200.8	12/08/09 05:59 / jjw
Vanadium	ND	mg/L		0.1		E200.7	12/07/09 17:46 / tao
Zinc	ND	mg/L		0.01		E200.8	12/08/09 05:59 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 20:01 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 20:01 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/01/09 09:43
Lab ID:	B09120492-009	**DateReceived:**	12/04/09
Client Sample ID:	SL-9	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Chloroform	0.72	ug/L	J	1.0		SW8260B	12/08/09 20:01 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Dichlorodifluoromethane	1.6	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,1-Dichloroethane	3.7	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
cis-1,2-Dichloroethene	2.3	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,2-Dichloropropane	0.42	ug/L	J	1.0		SW8260B	12/08/09 20:01 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 20:01 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 20:01 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 20:01 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Tetrachloroethene	10	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,1,1-Trichloroethane	1.3	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Trichloroethene	0.97	ug/L	J	1.0		SW8260B	12/08/09 20:01 / mle
Trichlorofluoromethane	0.42	ug/L	J	1.0		SW8260B	12/08/09 20:01 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	12/01/09 09:43
Lab ID:	B09120492-009	**DateReceived:**	12/04/09
Client Sample ID:	SL-9	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 20:01 / mle
Surr: 1,2-Dichloroethane-d4	102	%REC		70-130		SW8260B	12/08/09 20:01 / mle
Surr: Dibromofluoromethane	97.0	%REC		77-126		SW8260B	12/08/09 20:01 / mle
Surr: p-Bromofluorobenzene	100	%REC		76-127		SW8260B	12/08/09 20:01 / mle
Surr: Toluene-d8	103	%REC		79-122		SW8260B	12/08/09 20:01 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102
Lab ID: B09120491-004
Client Sample ID: DUP

Report Date: 12/15/09
Collection Date: 12/01/09 09:45
DateReceived: 12/04/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500-H B	12/04/09 12:51 / jlh
Conductivity @ 25 C	2180	umhos/cm		5		A2510 B	12/04/09 12:51 / jlh
INORGANICS							
Alkalinity, Total as CaCO3	858	mg/L		4		A2320 B	12/04/09 23:51 / ehb
Chloride	196	mg/L		1		E300.0	12/08/09 01:18 / kh
Sulfate	96	mg/L		1		E300.0	12/08/09 01:18 / kh
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	18	mg/L		5		E410.4	12/04/09 15:35 / bls
NUTRIENTS							
Nitrogen, Ammonia as N	0.15	mg/L		0.05		E350.1	12/04/09 15:16 / sam
Nitrogen, Nitrate+Nitrite as N	3.73	mg/L	D	0.06		E353.2	12/09/09 10:32 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		E200.8	12/08/09 05:22 / jjw
Arsenic	ND	mg/L		0.005		E200.8	12/08/09 05:22 / jjw
Barium	0.2	mg/L		0.1		E200.7	12/07/09 17:14 / tao
Beryllium	ND	mg/L		0.001		E200.7	12/07/09 17:14 / tao
Cadmium	ND	mg/L		0.001		E200.8	12/08/09 05:22 / jjw
Chromium	ND	mg/L		0.01		E200.7	12/07/09 17:14 / tao
Cobalt	0.01	mg/L		0.01		E200.7	12/07/09 17:14 / tao
Copper	ND	mg/L		0.01		E200.8	12/08/09 05:22 / jjw
Iron	0.08	mg/L		0.03		E200.7	12/07/09 17:14 / tao
Lead	ND	mg/L		0.01		E200.8	12/08/09 05:22 / jjw
Mercury	ND	mg/L		0.001		E200.8	12/08/09 05:22 / jjw
Nickel	ND	mg/L		0.01		E200.7	12/07/09 17:14 / tao
Selenium	0.012	mg/L		0.005		E200.8	12/08/09 05:22 / jjw
Silver	ND	mg/L		0.005		E200.8	12/08/09 05:22 / jjw
Thallium	ND	mg/L		0.005		E200.8	12/08/09 05:22 / jjw
Vanadium	ND	mg/L		0.1		E200.7	12/07/09 17:14 / tao
Zinc	ND	mg/L		0.01		E200.8	12/08/09 05:22 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 14:47 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 14:47 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/15/09
Project:	Landfill 102	**Collection Date:**	12/01/09 09:45
Lab ID:	B09120491-004	**DateReceived:**	12/04/09
Client Sample ID:	DUP	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Chloroform	0.86	ug/L	J	1.0		SW8260B	12/08/09 14:47 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Dichlorodifluoromethane	1.4	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,1-Dichloroethane	3.8	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
cis-1,2-Dichloroethene	2.2	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,2-Dichloropropane	0.38	ug/L	J	1.0		SW8260B	12/08/09 14:47 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 14:47 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 14:47 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 14:47 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Tetrachloroethene	9.3	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,1,1-Trichloroethane	1.4	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Trichloroethene	0.87	ug/L	J	1.0		SW8260B	12/08/09 14:47 / mle
Trichlorofluoromethane	0.56	ug/L	J	1.0		SW8260B	12/08/09 14:47 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 14:47 / mle

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/15/09
Project:	Landfill 102	**Collection Date:**	12/01/09 09:45
Lab ID:	B09120491-004	**DateReceived:**	12/04/09
Client Sample ID:	DUP	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: 1,2-Dichloroethane-d4	110	%REC		70-130		SW8260B	12/08/09 14:47 / mle
Surr: Dibromofluoromethane	106	%REC		77-126		SW8260B	12/08/09 14:47 / mle
Surr: p-Bromofluorobenzene	98.0	%REC		76-127		SW8260B	12/08/09 14:47 / mle
Surr: Toluene-d8	103	%REC		79-122		SW8260B	12/08/09 14:47 / mle

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: Richland County

Project Name, PWS, Permit, Etc.: Land fill 102

Sample Origin State:

EPA/State Compliance: Yes ☐ No ☐

Report Mail Address: 1201 West Holly Suite 5

Contact Name: Kelly Logan

Phone/Fax: 433-6876

Email:

Sampler: (Please Print)

Invoice Address: Sidney MT 59270

Invoice Contact & Phone: KLOGAN@Richland.org

Purchase Order:

Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW
☐ GSA
☐ POTW/WWTP
☐ State: __________
☐ Other: __________

☐ A2LA
☐ EDD/EDT(Electronic Data)
Format: __________
☐ LEVEL IV
☐ NELAC

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids Vegetation Bioassay Other

ANALYSIS REQUESTED

SEE ATTACHED

Normal Turnaround (TAT)

RUSH — Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments:
logged in per bottle order 37264
logged metals per history – tried to call client – could not reach – left message 12/4

Shipped by: Raid

Cooler ID(s):

Receipt Temp 1 °C

On Ice: [✓ Yes] No

Custody Seal Y [✓ N]

Bottles/Coolers B C

Intact Y N

Signature Match Y N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	ion	nutrients	VOC's		metals-D(?)					LABORATORY USE ONLY
1 Lamphiers	Dec 2	1550	W	X	X	X							B09120491-001
2 S-3	11/30	1200		X	X	X							-002
3 S-5	11/30	1130		X	X	X							-003
4 DUP	12/1	0945		X	X	X		X					-004
5													
6 TB 02.45	11/9/09	TS											-005
7													
8													
9													
10													

Custody Record MUST be Signed

Relinquished by (print): Kelly Logan Date/Time: 12/4/09 0930 Signature:
Relinquished by (print): Date/Time: Signature:
Received by (print): Date/Time: Signature:
Received by (print): Date/Time: Signature:
Received by Laboratory: Russ Buehler Date/Time: 12/4/09 0950 Signature:

Sample Disposal: Return to Client: ______ Lab Disposal: ______

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102
Lab ID: B09120491-005
Client Sample ID: Trip Blank Lot #110909, B-TS 0245

Report Date: 12/15/09
Collection Date: 11/30/09 11:30
DateReceived: 12/04/09
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 11:53 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 11:53 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Chloroform	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 11:53 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 11:53 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 11:53 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Tetrachloroethene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Trichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/15/09
Project:	Landfill 102	**Collection Date:**	11/30/09 11:30
Lab ID:	B09120491-005	**DateReceived:**	12/04/09
Client Sample ID:	Trip Blank Lot #110909, B-TS 0245	**Matrix:**	Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 11:53 / mle
Surr: 1,2-Dichloroethane-d4	100	%REC		70-130		SW8260B	12/08/09 11:53 / mle
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	12/08/09 11:53 / mle
Surr: p-Bromofluorobenzene	94.0	%REC		76-127		SW8260B	12/08/09 11:53 / mle
Surr: Toluene-d8	103	%REC		79-122		SW8260B	12/08/09 11:53 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102

Report Date: 12/14/09
Work Order: B09120491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B									Batch: R140000
Sample ID: SC 150	Laboratory Control Sample				Run: PHSC _101-B_091204A				12/04/09 08:43
Conductivity @ 25 C	153	umhos/cm	5.0	102	90	110			
Sample ID: SC 5000	Laboratory Control Sample				Run: PHSC _101-B_091204A				12/04/09 08:45
Conductivity @ 25 C	4990	umhos/cm	5.0	100	90	110			
Sample ID: SC 20000	Laboratory Control Sample				Run: PHSC _101-B_091204A				12/04/09 08:46
Conductivity @ 25 C	19800	umhos/cm	5.0	99	90	110			
Sample ID: B09120491-001ADUP	Sample Duplicate				Run: PHSC _101-B_091204A				12/04/09 12:46
Conductivity @ 25 C	653	umhos/cm	5.0				0.3	10	
Method: A4500-H B									Batch: R140000
Sample ID: pH 4	Laboratory Control Sample				Run: PHSC _101-B_091204A				12/04/09 08:38
pH	3.93	s.u.	0.10	98	97	103			
Sample ID: pH 7	Laboratory Control Sample				Run: PHSC _101-B_091204A				12/04/09 08:40
pH	7.03	s.u.	0.10	100	98	102			
Sample ID: B09120491-001ADUP	Sample Duplicate				Run: PHSC _101-B_091204A				12/04/09 12:46
pH	7.42	s.u.	0.10				0.9	10	
Method: A2320 B									Batch: R140073
Sample ID: MBLK	Method Blank				Run: MAN-TECH_091204B				12/04/09 21:45
Alkalinity, Total as CaCO3	ND	mg/L	4						
Sample ID: LCS	Laboratory Control Sample				Run: MAN-TECH_091204B				12/04/09 21:51
Alkalinity, Total as CaCO3	97.8	mg/L	4.0	98	90	110			
Sample ID: B09120478-006AMS	Sample Matrix Spike				Run: MAN-TECH_091204B				12/04/09 22:51
Alkalinity, Total as CaCO3	505	mg/L	4.0	88	80	120			
Sample ID: B09120478-006AMSD	Sample Matrix Spike Duplicate				Run: MAN-TECH_091204B				12/04/09 23:01
Alkalinity, Total as CaCO3	509	mg/L	4.0	91	80	120	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102

Report Date: 12/14/09
Work Order: B09120491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Analytical Run: IC202-B_091207A
Sample ID: ICV120709-11	Initial Calibration Verification Standard								12/07/09 11:56
Chloride	25.0	mg/L	1.0	100	90	110			
Sulfate	93.5	mg/L	1.0	94	90	110			
Method: E300.0									Batch: R140109
Sample ID: ICB120709-12	Method Blank				Run: IC202-B_091207A				12/07/09 12:08
Chloride	ND	mg/L	0.3						
Sulfate	ND	mg/L	1						
Sample ID: LFB120709-13	Laboratory Fortified Blank				Run: IC202-B_091207A				12/07/09 12:20
Chloride	23.5	mg/L	1.0	94	90	110			
Sulfate	90.0	mg/L	1.1	90	90	110			
Sample ID: B09120491-002AMS	Sample Matrix Spike				Run: IC202-B_091207A				12/08/09 00:43
Chloride	112	mg/L	1.0	100	90	110			
Sulfate	297	mg/L	1.1	103	90	110			
Sample ID: B09120491-002AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_091207A				12/08/09 00:54
Chloride	112	mg/L	1.0	102	90	110	0.4	20	
Sulfate	300	mg/L	1.1	105	90	110	0.8	20	
Method: E410.4									Batch: R140061
Sample ID: MB-R140061	Method Blank				Run: SPEC_091204B				12/04/09 15:35
Oxygen Demand, Chemical (COD)	ND	mg/L	5						
Sample ID: LCS-R140061	Laboratory Control Sample				Run: SPEC_091204B				12/04/09 15:35
Oxygen Demand, Chemical (COD)	123	mg/L	5.0	106	90	110			
Sample ID: B09120349-002BMS	Sample Matrix Spike				Run: SPEC_091204B				12/04/09 15:35
Oxygen Demand, Chemical (COD)	95.7	mg/L	5.0	93	90	110			
Sample ID: B09120349-002BMSD	Sample Matrix Spike Duplicate				Run: SPEC_091204B				12/04/09 15:35
Oxygen Demand, Chemical (COD)	96.1	mg/L	5.0	95	90	110	0.4	10	
Sample ID: B09120491-001BMS	Sample Matrix Spike				Run: SPEC_091204B				12/04/09 15:35
Oxygen Demand, Chemical (COD)	26.0	mg/L	5.0	107	90	110			
Sample ID: B09120491-001BMSD	Sample Matrix Spike Duplicate				Run: SPEC_091204B				12/04/09 15:35
Oxygen Demand, Chemical (COD)	26.7	mg/L	5.0	109	90	110	2.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102

Report Date: 12/14/09
Work Order: B09120491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1						Analytical Run: FIA203-B_091204A			
Sample ID: ICV	Initial Calibration Verification Standard							12/04/09 09:21	
Nitrogen, Ammonia as N	5.55	mg/L	0.30	101	90	110			
Method: E350.1								Batch: R140033	
Sample ID: MBLK	Method Blank				Run: FIA203-B_091204A			12/04/09 09:22	
Nitrogen, Ammonia as N	ND	mg/L	0.05						
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA203-B_091204A			12/04/09 09:24	
Nitrogen, Ammonia as N	1.07	mg/L	0.050	108	90	110			
Sample ID: B09120478-004DMS	Sample Matrix Spike				Run: FIA203-B_091204A			12/04/09 15:07	
Nitrogen, Ammonia as N	1.93	mg/L	0.050	75	90	110			S
Sample ID: B09120478-004DMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_091204A			12/04/09 15:08	
Nitrogen, Ammonia as N	1.93	mg/L	0.050	75	90	110	0.1	10	S
Sample ID: B09120492-004BMS	Sample Matrix Spike				Run: FIA203-B_091204A			12/04/09 15:24	
Nitrogen, Ammonia as N	0.596	mg/L	0.050	61	90	110			S
Sample ID: B09120492-004BMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_091204A			12/04/09 15:25	
Nitrogen, Ammonia as N	0.598	mg/L	0.050	61	90	110	0.3	10	S
Method: E353.2						Analytical Run: FIA203-B_091209A			
Sample ID: ICV	Initial Calibration Verification Standard							12/09/09 10:16	
Nitrogen, Nitrate+Nitrite as N	36.6	mg/L	0.20	103	90	110			
Method: E353.2								Batch: R140214	
Sample ID: MBLK	Method Blank				Run: FIA203-B_091209A			12/09/09 10:17	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.01						
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA203-B_091209A			12/09/09 10:19	
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.010	104	90	110			
Sample ID: B09120491-003BMS	Sample Matrix Spike				Run: FIA203-B_091209A			12/09/09 10:25	
Nitrogen, Nitrate+Nitrite as N	1.49	mg/L	0.010	106	90	110			
Sample ID: B09120491-003BMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_091209A			12/09/09 10:26	
Nitrogen, Nitrate+Nitrite as N	1.48	mg/L	0.010	105	90	110	0.5	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 12/14/09
Project: Landfill 102 **Work Order:** B09120491

Method: E200.7 Analytical Run: ICP202-B_091207A

Sample ID: ICV Continuing Calibration Verification Standard 12/07/09 11:42

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	2.44	mg/L	0.10	98	95	105			
Beryllium	1.27	mg/L	0.010	101	95	105			
Chromium	2.46	mg/L	0.050	98	95	105			
Cobalt	2.45	mg/L	0.020	98	95	105			
Iron	2.53	mg/L	0.030	101	95	105			
Nickel	2.55	mg/L	0.050	102	95	105			
Vanadium	2.47	mg/L	0.10	99	95	105			

Method: E200.7 Batch: R140120

Sample ID: MB-SPDIS091207A Method Blank Run: ICP202-B_091207A 12/07/09 12:31

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	0.0006	mg/L	0.0001						
Beryllium	0.0003	mg/L	9E-05						
Chromium	ND	mg/L	0.002						
Cobalt	ND	mg/L	0.001						
Iron	0.002	mg/L	0.002						
Nickel	ND	mg/L	0.002						
Vanadium	ND	mg/L	0.003						

Sample ID: LFB-SPDIS091207A Laboratory Fortified Blank Run: ICP202-B_091207A 12/07/09 12:35

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	1.05	mg/L	0.10	105	85	115			
Beryllium	0.530	mg/L	0.010	106	85	115			
Chromium	1.03	mg/L	0.050	103	85	115			
Cobalt	1.00	mg/L	0.020	100	85	115			
Iron	5.21	mg/L	0.030	104	85	115			
Nickel	1.06	mg/L	0.050	106	85	115			
Vanadium	1.03	mg/L	0.10	103	85	115			

Sample ID: B09120492-007BMS2 Sample Matrix Spike Run: ICP202-B_091207A 12/07/09 17:26

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	2.14	mg/L	0.10	102	70	130			
Beryllium	0.983	mg/L	0.0010	98	70	130			
Chromium	1.87	mg/L	0.010	93	70	130			
Cobalt	1.80	mg/L	0.010	90	70	130			
Iron	9.84	mg/L	0.030	95	70	130			
Nickel	1.92	mg/L	0.010	95	70	130			
Vanadium	1.91	mg/L	0.10	95	70	130			

Sample ID: B09120492-007BMSD2 Sample Matrix Spike Duplicate Run: ICP202-B_091207A 12/07/09 17:30

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	2.17	mg/L	0.10	104	70	130	1.6	20	
Beryllium	0.974	mg/L	0.0010	97	70	130	1	20	
Chromium	1.88	mg/L	0.010	94	70	130	0.8	20	
Cobalt	1.82	mg/L	0.010	91	70	130	1.1	20	
Iron	9.84	mg/L	0.030	95	70	130	0.1	20	
Nickel	1.93	mg/L	0.010	96	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102

Report Date: 12/14/09
Work Order: B09120491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R140120
Sample ID: B09120492-007BMSD2	Sample Matrix Spike Duplicate				Run: ICP202-B_091207A				12/07/09 17:30
Vanadium	1.92	mg/L	0.10	95	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 12/14/09
Project: Landfill 102 **Work Order:** B09120491

Method: E200.8 Analytical Run: ICPMS203-B_091207C

Sample ID: QCS-090602A,090929B,0 Initial Calibration Verification Standard 12/08/09 04:23

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Antimony	0.0473	mg/L	0.050	95	90	110			
Arsenic	0.0467	mg/L	0.0050	93	90	110			
Cadmium	0.0247	mg/L	0.0010	99	90	110			
Copper	0.0479	mg/L	0.010	96	90	110			
Lead	0.0473	mg/L	0.010	95	90	110			
Mercury	0.00196	mg/L	0.0010	98	90	110			
Selenium	0.0485	mg/L	0.0050	97	90	110			
Silver	0.0269	mg/L	0.0050	108	90	110			
Thallium	0.0467	mg/L	0.10	93	90	110			
Zinc	0.0483	mg/L	0.010	97	90	110			

Method: E200.8 Batch: R140127

Sample ID: LRB Method Blank Run: ICPMS203-B_091207C 12/07/09 20:38

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Antimony	8E-05	mg/L	1E-05						
Arsenic	ND	mg/L	2E-05						
Cadmium	3E-05	mg/L	4E-06						
Copper	0.0003	mg/L	3E-05						
Lead	2E-05	mg/L	3E-06						
Mercury	ND	mg/L	1E-05						
Selenium	4E-05	mg/L	4E-05						
Silver	0.0002	mg/L	9E-06						
Thallium	ND	mg/L	8E-06						
Zinc	0.002	mg/L	0.0001						

Sample ID: LFB Laboratory Fortified Blank Run: ICPMS203-B_091207C 12/07/09 20:43

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Antimony	0.0509	mg/L	0.050	102	85	115			
Arsenic	0.0484	mg/L	0.0050	97	85	115			
Cadmium	0.0496	mg/L	0.0010	99	85	115			
Copper	0.0508	mg/L	0.010	101	85	115			
Lead	0.0497	mg/L	0.010	99	85	115			
Mercury	0.00103	mg/L	0.0010	103	85	115			
Selenium	0.0490	mg/L	0.0050	98	85	115			
Silver	0.0189	mg/L	0.0050	94	85	115			
Thallium	0.0484	mg/L	0.10	97	85	115			
Zinc	0.0512	mg/L	0.010	99	85	115			

Sample ID: B09120474-001AMS Sample Matrix Spike Run: ICPMS203-B_091207C 12/08/09 05:04

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Antimony	0.0528	mg/L	0.0050	100	70	130			
Arsenic	0.115	mg/L	0.0050	90	70	130			
Cadmium	0.0481	mg/L	0.0010	96	70	130			
Copper	0.0487	mg/L	0.010	96	70	130			
Lead	0.0488	mg/L	0.010	97	70	130			
Mercury	0.00102	mg/L	0.0010	100	70	130			

Qualifiers:

RL - Analyte reporting limit. ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102

Report Date: 12/14/09
Work Order: B09120491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R140127	
Sample ID: B09120474-001AMS	Sample Matrix Spike			Run: ICPMS203-B_091207C				12/08/09 05:04	
Selenium	0.0483	mg/L	0.0050	96	70	130			
Silver	0.0183	mg/L	0.0050	91	70	130			
Thallium	0.0475	mg/L	0.0050	95	70	130			
Zinc	0.0512	mg/L	0.010	96	70	130			
Sample ID: B09120474-001AMSD	Sample Matrix Spike Duplicate			Run: ICPMS203-B_091207C				12/08/09 05:09	
Antimony	0.0534	mg/L	0.0050	101	70	130	1.2	20	
Arsenic	0.118	mg/L	0.0050	97	70	130	3.2	20	
Cadmium	0.0481	mg/L	0.0010	96	70	130	0.1	20	
Copper	0.0508	mg/L	0.010	101	70	130	4.1	20	
Lead	0.0491	mg/L	0.010	98	70	130	0.7	20	
Mercury	0.00106	mg/L	0.0010	105	70	130	4.1	20	
Selenium	0.0489	mg/L	0.0050	97	70	130	1.1	20	
Silver	0.0183	mg/L	0.0050	91	70	130	0.1	20	
Thallium	0.0480	mg/L	0.0050	96	70	130	1	20	
Zinc	0.0529	mg/L	0.010	100	70	130	3.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 12/09/09
Project: Landfill 102 **Work Order:** B09120491

Method: **SW8260B** Analytical Run: VOA5973A.I_091208A

Sample ID: **ccv120809** Continuing Calibration Verification Standard 12/08/09 09:29

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	52.0	ug/L	20	104	70	130			
Acrylonitrile	53.2	ug/L	20	106	70	130			
Benzene	5.24	ug/L	1.0	105	70	130			
Bromochloromethane	5.28	ug/L	1.0	106	70	130			
Bromodichloromethane	5.24	ug/L	1.0	105	70	130			
Bromoform	5.40	ug/L	1.0	108	70	130			
Bromomethane	4.28	ug/L	1.0	86	70	130			
Carbon disulfide	5.24	ug/L	1.0	105	70	130			
Carbon tetrachloride	4.72	ug/L	1.0	94	70	130			
Chlorobenzene	5.36	ug/L	1.0	107	70	130			
Chlorodibromomethane	5.28	ug/L	1.0	106	70	130			
Chloroethane	5.28	ug/L	1.0	106	70	130			
Chloroform	5.36	ug/L	1.0	107	80	120			
Chloromethane	5.00	ug/L	1.0	100	70	130			
1,2-Dibromo-3-chloropropane	5.12	ug/L	1.0	102	70	130			
1,2-Dibromoethane	5.16	ug/L	1.0	103	70	130			
Dibromomethane	5.20	ug/L	1.0	104	70	130			
1,2-Dichlorobenzene	5.44	ug/L	1.0	109	70	130			
1,4-Dichlorobenzene	5.56	ug/L	1.0	111	70	130			
trans-1,4-Dichloro-2-butene	5.64	ug/L	1.0	113	70	130			
Dichlorodifluoromethane	5.88	ug/L	1.0	118	70	130			
1,1-Dichloroethane	5.16	ug/L	1.0	103	70	130			
1,2-Dichloroethane	5.32	ug/L	1.0	106	70	130			
1,1-Dichloroethene	5.60	ug/L	1.0	112	80	120			
cis-1,2-Dichloroethene	5.24	ug/L	1.0	105	70	130			
trans-1,2-Dichloroethene	5.24	ug/L	1.0	105	70	130			
1,2-Dichloropropane	5.20	ug/L	1.0	104	80	120			
cis-1,3-Dichloropropene	5.28	ug/L	1.0	106	70	130			
trans-1,3-Dichloropropene	5.04	ug/L	1.0	101	70	130			
Ethylbenzene	5.44	ug/L	1.0	109	80	120			
2-Hexanone	52.8	ug/L	20	106	70	130			
Iodomethane	3.91	ug/L	1.0	78	70	130			
Methyl ethyl ketone	52.8	ug/L	20	106	70	130			
Methyl isobutyl ketone	54.0	ug/L	20	108	70	130			
Methylene chloride	5.08	ug/L	1.0	102	70	130			
Styrene	5.28	ug/L	1.0	106	70	130			
1,1,1,2-Tetrachloroethane	5.36	ug/L	1.0	107	70	130			
1,1,2,2-Tetrachloroethane	5.44	ug/L	1.0	109	70	130			
Tetrachloroethene	5.44	ug/L	1.0	109	70	130			
Toluene	5.32	ug/L	1.0	106	80	120			
1,1,1-Trichloroethane	5.08	ug/L	1.0	102	70	130			
1,1,2-Trichloroethane	5.40	ug/L	1.0	108	70	130			
Trichloroethene	5.28	ug/L	1.0	106	70	130			

Qualifiers:

RL - Analyte reporting limit. ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102

Report Date: 12/09/09
Work Order: B09120491

Method: **SW8260B** Analytical Run: VOA5973A.I_091208A

Sample ID: **ccv120809** Continuing Calibration Verification Standard 12/08/09 09:29

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Trichlorofluoromethane	5.60	ug/L	1.0	112	70	130			
1,2,3-Trichloropropane	5.60	ug/L	1.0	112	70	130			
Vinyl acetate	4.96	ug/L	1.0	99	70	130			
Vinyl chloride	5.52	ug/L	1.0	110	80	120			
m+p-Xylenes	10.8	ug/L	1.0	108	70	130			
o-Xylene	5.28	ug/L	1.0	106	70	130			
Xylenes, Total	16.0	ug/L	1.0		0	0			
Surr: 1,2-Dichloroethane-d4			1.0	104	60	136			
Surr: Dibromofluoromethane			1.0	103	70	132			
Surr: p-Bromofluorobenzene			1.0	102	78	160			
Surr: Toluene-d8			1.0	103	75	138			

Method: **SW8260B** Batch: R140183

Sample ID: **lcs120809** Laboratory Control Sample Run: VOA5973A.I_091208A 12/08/09 10:04

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	38.6	ug/L	20	77	62	130			
Acrylonitrile	54.0	ug/L	20	108	60	130			
Benzene	5.40	ug/L	1.0	108	71	133			
Bromochloromethane	5.40	ug/L	1.0	108	68	131			
Bromodichloromethane	5.16	ug/L	1.0	103	67	138			
Bromoform	4.88	ug/L	1.0	98	64	136			
Bromomethane	6.88	ug/L	1.0	138	60	138			
Carbon disulfide	4.84	ug/L	1.0	97	46	145			
Carbon tetrachloride	6.72	ug/L	1.0	134	61	144			
Chlorobenzene	5.60	ug/L	1.0	112	78	136			
Chlorodibromomethane	5.40	ug/L	1.0	108	72	136			
Chloroethane	5.52	ug/L	1.0	110	64	136			
Chloroform	5.28	ug/L	1.0	106	69	133			
Chloromethane	5.28	ug/L	1.0	106	63	149			
1,2-Dibromo-3-chloropropane	5.52	ug/L	1.0	110	63	125			
1,2-Dibromoethane	5.20	ug/L	1.0	104	75	131			
Dibromomethane	5.28	ug/L	1.0	106	72	133			
1,2-Dichlorobenzene	5.88	ug/L	1.0	118	78	129			
1,4-Dichlorobenzene	5.76	ug/L	1.0	115	78	131			
trans-1,4-Dichloro-2-butene	5.64	ug/L	1.0	113	50	142			
Dichlorodifluoromethane	5.20	ug/L	1.0	104	55	141			
1,1-Dichloroethane	5.28	ug/L	1.0	106	72	130			
1,2-Dichloroethane	5.20	ug/L	1.0	104	57	146			
1,1-Dichloroethene	5.36	ug/L	1.0	107	66	142			
cis-1,2-Dichloroethene	5.20	ug/L	1.0	104	74	133			
trans-1,2-Dichloroethene	5.12	ug/L	1.0	102	76	138			
1,2-Dichloropropane	5.20	ug/L	1.0	104	72	135			
cis-1,3-Dichloropropene	5.56	ug/L	1.0	111	75	132			
trans-1,3-Dichloropropene	6.08	ug/L	1.0	122	77	145			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 12/09/09
Project: Landfill 102 **Work Order:** B09120491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R140183
Sample ID: lcs120809	Laboratory Control Sample				Run: VOA5973A.I_091208A				12/08/09 10:04
Ethylbenzene	5.60	ug/L	1.0	112	78	131			
2-Hexanone	48.0	ug/L	20	96	72	131			
Iodomethane	6.76	ug/L	1.0	135	66	132			S
Methyl ethyl ketone	46.4	ug/L	20	93	55	145			
Methyl isobutyl ketone	48.4	ug/L	20	97	73	129			
Methylene chloride	5.00	ug/L	1.0	100	73	126			
Styrene	5.64	ug/L	1.0	113	76	134			
1,1,1,2-Tetrachloroethane	5.48	ug/L	1.0	110	75	135			
1,1,2,2-Tetrachloroethane	5.20	ug/L	1.0	104	72	132			
Tetrachloroethene	5.76	ug/L	1.0	115	78	137			
Toluene	5.44	ug/L	1.0	109	78	134			
1,1,1-Trichloroethane	5.52	ug/L	1.0	110	64	141			
1,1,2-Trichloroethane	5.08	ug/L	1.0	102	72	133			
Trichloroethene	5.56	ug/L	1.0	111	75	138			
Trichlorofluoromethane	5.36	ug/L	1.0	107	58	139			
1,2,3-Trichloropropane	4.36	ug/L	1.0	87	67	133			
Vinyl acetate	5.40	ug/L	1.0	108	31	124			
Vinyl chloride	5.04	ug/L	1.0	101	66	140			
m+p-Xylenes	11.2	ug/L	1.0	112	78	133			
o-Xylene	5.68	ug/L	1.0	114	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	100	70	130			
Surr: Dibromofluoromethane			1.0	105	77	126			
Surr: p-Bromofluorobenzene			1.0	95	76	127			
Surr: Toluene-d8			1.0	104	79	122			
Sample ID: blk120809	Method Blank				Run: VOA5973A.I_091208A				12/08/09 11:13
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102

Report Date: 12/09/09
Work Order: B09120491

Method: **SW8260B** Batch: R140183

Sample ID: **blk120809** Method Blank Run: VOA5973A.I_091208A 12/08/09 11:13

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	102	70	130			
Surr: Dibromofluoromethane			1.0	95	77	126			
Surr: p-Bromofluorobenzene			1.0	96	76	127			
Surr: Toluene-d8			1.0	102	79	122			

Sample ID: **B09120491-001Cms** Sample Matrix Spike Run: VOA5973A.I_091208A 12/08/09 20:36

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	42.4	ug/L	20	85	62	130			
Acrylonitrile	55.2	ug/L	20	110	60	130			
Benzene	5.36	ug/L	1.0	107	71	133			
Bromochloromethane	5.32	ug/L	1.0	106	68	131			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 12/09/09
Project: Landfill 102 **Work Order:** B09120491

Method: **SW8260B** Batch: R140183

Sample ID: **B09120491-001Cms** Sample Matrix Spike Run: VOA5973A.I_091208A 12/08/09 20:36

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Bromodichloromethane	5.04	ug/L	1.0	101	67	138			
Bromoform	5.00	ug/L	1.0	100	64	136			
Bromomethane	3.31	ug/L	1.0	66	60	138			
Carbon disulfide	5.04	ug/L	1.0	101	46	145			
Carbon tetrachloride	4.28	ug/L	1.0	86	61	144			
Chlorobenzene	5.44	ug/L	1.0	109	78	136			
Chlorodibromomethane	5.32	ug/L	1.0	106	72	136			
Chloroethane	5.04	ug/L	1.0	101	64	136			
Chloroform	5.20	ug/L	1.0	104	69	133			
Chloromethane	4.36	ug/L	1.0	87	63	149			
1,2-Dibromo-3-chloropropane	4.76	ug/L	1.0	95	63	125			
1,2-Dibromoethane	5.20	ug/L	1.0	104	75	131			
Dibromomethane	5.44	ug/L	1.0	109	72	133			
1,2-Dichlorobenzene	5.24	ug/L	1.0	105	78	129			
1,4-Dichlorobenzene	5.16	ug/L	1.0	103	78	131			
trans-1,4-Dichloro-2-butene	4.44	ug/L	1.0	89	50	142			
Dichlorodifluoromethane	5.28	ug/L	1.0	106	55	141			
1,1-Dichloroethane	5.12	ug/L	1.0	102	72	130			
1,2-Dichloroethane	5.48	ug/L	1.0	110	57	146			
1,1-Dichloroethene	5.56	ug/L	1.0	111	66	142			
cis-1,2-Dichloroethene	5.24	ug/L	1.0	105	74	133			
trans-1,2-Dichloroethene	5.20	ug/L	1.0	104	76	138			
1,2-Dichloropropane	5.32	ug/L	1.0	106	72	135			
cis-1,3-Dichloropropene	4.96	ug/L	1.0	99	75	132			
trans-1,3-Dichloropropene	5.16	ug/L	1.0	103	77	145			
Ethylbenzene	5.40	ug/L	1.0	108	78	131			
2-Hexanone	52.4	ug/L	20	105	72	131			
Iodomethane	3.80	ug/L	1.0	76	66	132			
Methyl ethyl ketone	48.4	ug/L	20	97	55	145			
Methyl isobutyl ketone	53.6	ug/L	20	107	73	129			
Methylene chloride	5.12	ug/L	1.0	102	73	126			
Styrene	5.28	ug/L	1.0	106	76	134			
1,1,1,2-Tetrachloroethane	5.40	ug/L	1.0	108	75	135			
1,1,2,2-Tetrachloroethane	5.32	ug/L	1.0	106	72	132			
Tetrachloroethene	5.92	ug/L	1.0	118	78	137			
Toluene	5.36	ug/L	1.0	107	78	134			
1,1,1-Trichloroethane	4.88	ug/L	1.0	98	64	141			
1,1,2-Trichloroethane	5.24	ug/L	1.0	105	72	133			
Trichloroethene	5.32	ug/L	1.0	106	75	138			
Trichlorofluoromethane	5.24	ug/L	1.0	105	58	139			
1,2,3-Trichloropropane	4.68	ug/L	1.0	94	67	133			
Vinyl acetate	4.28	ug/L	1.0	86	31	124			
Vinyl chloride	4.96	ug/L	1.0	99	66	140			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102
Report Date: 12/09/09
Work Order: B09120491

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW8260B**								Batch: R140183	
Sample ID: **B09120491-001Cms**	Sample Matrix Spike				Run: VOA5973A.I_091208A			12/08/09 20:36	
m+p-Xylenes	10.6	ug/L	1.0	106	78	133			
o-Xylene	5.28	ug/L	1.0	106	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	102	70	130			
Surr: Dibromofluoromethane			1.0	99	77	126			
Surr: p-Bromofluorobenzene			1.0	98	76	127			
Surr: Toluene-d8			1.0	102	79	122			
Sample ID: **B09120491-001Cmsd**	Sample Matrix Spike Duplicate				Run: VOA5973A.I_091208A			12/08/09 21:11	
Acetone	41.2	ug/L	20	82	62	130	2.9	20	
Acrylonitrile	53.6	ug/L	20	107	60	130	2.9	20	
Benzene	5.56	ug/L	1.0	111	71	133	3.7	20	
Bromochloromethane	5.36	ug/L	1.0	107	68	131	0.7	20	
Bromodichloromethane	5.40	ug/L	1.0	108	67	138	6.9	20	
Bromoform	5.24	ug/L	1.0	105	64	136	4.7	20	
Bromomethane	3.97	ug/L	1.0	79	60	138	18	20	
Carbon disulfide	5.04	ug/L	1.0	101	46	145	0	20	
Carbon tetrachloride	4.64	ug/L	1.0	93	61	144	8.1	20	
Chlorobenzene	5.68	ug/L	1.0	114	78	136	4.3	20	
Chlorodibromomethane	5.56	ug/L	1.0	111	72	136	4.4	20	
Chloroethane	5.32	ug/L	1.0	106	64	136	5.4	20	
Chloroform	5.52	ug/L	1.0	110	69	133	6	20	
Chloromethane	5.00	ug/L	1.0	100	63	149	14	20	
1,2-Dibromo-3-chloropropane	5.76	ug/L	1.0	115	63	125	19	20	
1,2-Dibromoethane	5.52	ug/L	1.0	110	75	131	6	20	
Dibromomethane	5.52	ug/L	1.0	110	72	133	1.5	20	
1,2-Dichlorobenzene	5.92	ug/L	1.0	118	78	129	12	20	
1,4-Dichlorobenzene	5.96	ug/L	1.0	119	78	131	14	20	
trans-1,4-Dichloro-2-butene	4.48	ug/L	1.0	90	50	142	0.9	20	
Dichlorodifluoromethane	5.08	ug/L	1.0	102	55	141	3.9	20	
1,1-Dichloroethane	5.36	ug/L	1.0	107	72	130	4.6	20	
1,2-Dichloroethane	5.56	ug/L	1.0	111	57	146	1.4	20	
1,1-Dichloroethene	5.68	ug/L	1.0	114	66	142	2.1	20	
cis-1,2-Dichloroethene	5.48	ug/L	1.0	110	74	133	4.5	20	
trans-1,2-Dichloroethene	5.32	ug/L	1.0	106	76	138	2.3	20	
1,2-Dichloropropane	5.48	ug/L	1.0	110	72	135	3	20	
cis-1,3-Dichloropropene	5.24	ug/L	1.0	105	75	132	5.5	20	
trans-1,3-Dichloropropene	5.48	ug/L	1.0	110	77	145	6	20	
Ethylbenzene	5.72	ug/L	1.0	114	78	131	5.8	20	
2-Hexanone	50.4	ug/L	20	101	72	131	3.9	20	
Iodomethane	4.40	ug/L	1.0	88	66	132	15	20	
Methyl ethyl ketone	47.2	ug/L	20	94	55	145	2.5	20	
Methyl isobutyl ketone	50.8	ug/L	20	102	73	129	5.4	20	
Methylene chloride	5.28	ug/L	1.0	106	73	126	3.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102

Report Date: 12/09/09
Work Order: B09120491

Method: **SW8260B** Batch: R140183

Sample ID: **B09120491-001Cmsd** Sample Matrix Spike Duplicate Run: VOA5973A.I_091208A 12/08/09 21:11

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Styrene	5.52	ug/L	1.0	110	76	134	4.4	20	
1,1,1,2-Tetrachloroethane	5.80	ug/L	1.0	116	75	135	7.1	20	
1,1,2,2-Tetrachloroethane	5.48	ug/L	1.0	110	72	132	3	20	
Tetrachloroethene	5.96	ug/L	1.0	119	78	137	0.7	20	
Toluene	5.64	ug/L	1.0	113	78	134	5.1	20	
1,1,1-Trichloroethane	5.24	ug/L	1.0	105	64	141	7.1	20	
1,1,2-Trichloroethane	5.52	ug/L	1.0	110	72	133	5.2	20	
Trichloroethene	5.68	ug/L	1.0	114	75	138	6.5	20	
Trichlorofluoromethane	5.32	ug/L	1.0	106	58	139	1.5	20	
1,2,3-Trichloropropane	4.88	ug/L	1.0	98	67	133	4.2	20	
Vinyl acetate	4.12	ug/L	1.0	82	31	124	3.8	20	
Vinyl chloride	5.16	ug/L	1.0	103	66	140	4	20	
m+p-Xylenes	11.4	ug/L	1.0	114	78	133	7.2	20	
o-Xylene	5.60	ug/L	1.0	112	79	136	5.9	20	
Surr: 1,2-Dichloroethane-d4			1.0	102	70	130			
Surr: Dibromofluoromethane			1.0	102	77	126			
Surr: p-Bromofluorobenzene			1.0	99	76	127			
Surr: Toluene-d8			1.0	104	79	122			

The sample was analyzed just outside the twelve hour tune window.

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Workorder Receipt Checklist

Richland County Health Dept

B09120491

Login completed by: Darwin C. Miller
Date and Time Received: 12/4/2009 9:50 AM
Reviewed by: BL2000\kmcdonald
Received by: klb
Reviewed Date: 12/8/2009 9:31:27 AM
Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	1°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

No metals list - called client and left message. Logged metals per client history. 12/7 client called and confirmed the metals list. DM

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page _____ of _____

PLEASE PRINT- Provide as much information as possible.

Company Name: Richland County

Project Name, PWS, Permit, Etc.:

Sample Origin State:

EPA/State Compliance: Yes ☐ No ☐

Report Mail Address: 1201 West Holly Suite 5
Sidney MT 59270

Contact Name: Kelly Logan

Phone/Fax: 433-6876

Email:

Sampler: (Please Print)

Invoice Address:

Invoice Contact & Phone: Klogan@richland.org

Purchase Order:

Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW
☐ GSA
☐ POTW/WWTP
☐ State: ____________
☐ Other: ____________

☐ A2LA
☐ EDD/EDT(Electronic Data)
Format: ____________
☐ LEVEL IV
☐ NELAC

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments: Logged in per Bottle order Called client 12/4 about metals list – left message. Logged per history

Shipped by: hand

Cooler ID(s):

Receipt Temp 1 °C

On Ice: [✓ Yes] No

Custody Seal Y [✓ N]

Bottles/Coolers B C

Intact Y N

Signature Match Y N

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Number of Containers Sample Type: A W S V B O Air Water Soils/Solids Vegetation Bioassay Other	nutrients	ions	VOC's		metals	cyanide				SEE ATTACHED	Normal Turnaround (TAT)	RUSH	LABORATORY USE ONLY
1	SL-1	Nov 30	1445	H2O		Y	X	X										B09120492-001
2	SL-2	Nov 30	1420			X	X	X										-002
3	SL-3	Dec 2	1045			X	X	X										-003
4	SL-4	Dec 2	0845			X	X	X										-004
5	SL-5	Dec 2	1500			X	X	X										-005
6	SL-6	Dec 2	1315			X	X	X		X	X							-006
7	SL-7	Dec 1	1541			X	X	X		X	X							-007
8	SL-8	Dec 1	1413			X	X	X		X	X							-008
9	SL-9	Dec 1	0943			X	X	X		X	X							-009
10	TB SHP 0245	11/6/09	GC															-010

Custody Record MUST be Signed

Relinquished by (print): Kelly Logan Date/Time: 12/4/09 0930 Signature: KL Logan
Received by (print): Date/Time: Signature:

Relinquished by (print): Date/Time: Signature:
Received by (print): Date/Time: Signature:

Sample Disposal: Return to Client: ________ Lab Disposal: ________
Received by Laboratory: Kris Buehler Date/Time: 12/4/09 09:50 Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	12/17/09
Project:	Not Indicated	**Collection Date:**	11/30/09 14:20
Lab ID:	B09120492-010	**DateReceived:**	12/04/09
Client Sample ID:	Trip Blank Lot #110609, B-GC SHPO245	**Matrix:**	Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	12/08/09 12:28 / mle
Acrylonitrile	ND	ug/L		20		SW8260B	12/08/09 12:28 / mle
Benzene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Bromochloromethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Bromodichloromethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Bromoform	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Bromomethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Carbon disulfide	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Chlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Chloroethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Chloroform	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Chloromethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Dibromomethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Ethylbenzene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
2-Hexanone	ND	ug/L		20		SW8260B	12/08/09 12:28 / mle
Iodomethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Methyl ethyl ketone	ND	ug/L		20		SW8260B	12/08/09 12:28 / mle
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	12/08/09 12:28 / mle
Methylene chloride	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Styrene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Tetrachloroethene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Toluene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Trichloroethene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Not Indicated
Lab ID: B09120492-010
Client Sample ID: Trip Blank Lot #110609, B-GC SHPO245

Report Date: 12/17/09
Collection Date: 11/30/09 14:20
DateReceived: 12/04/09
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Vinyl acetate	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Vinyl chloride	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
m+p-Xylenes	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
o-Xylene	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Xylenes, Total	ND	ug/L		1.0		SW8260B	12/08/09 12:28 / mle
Surr: 1,2-Dichloroethane-d4	104	%REC		70-130		SW8260B	12/08/09 12:28 / mle
Surr: Dibromofluoromethane	92.0	%REC		77-126		SW8260B	12/08/09 12:28 / mle
Surr: p-Bromofluorobenzene	97.0	%REC		76-127		SW8260B	12/08/09 12:28 / mle
Surr: Toluene-d8	102	%REC		79-122		SW8260B	12/08/09 12:28 / mle

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/16/09
Work Order: B09120492

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2510 B**										Batch: R140000
Sample ID: **SC 150**	Laboratory Control Sample					Run: PHSC _101-B_091204A				12/04/09 08:43
Conductivity @ 25 C		153	umhos/cm	5.0	102	90	110			
Sample ID: **SC 5000**	Laboratory Control Sample					Run: PHSC _101-B_091204A				12/04/09 08:45
Conductivity @ 25 C		4990	umhos/cm	5.0	100	90	110			
Sample ID: **SC 20000**	Laboratory Control Sample					Run: PHSC _101-B_091204A				12/04/09 08:46
Conductivity @ 25 C		19800	umhos/cm	5.0	99	90	110			
Sample ID: **B09120495-001ADUP**	Sample Duplicate					Run: PHSC _101-B_091204A				12/04/09 13:59
Conductivity @ 25 C		49400	umhos/cm	5.0				0.3	10	
Method: **A4500-H B**										Batch: R140000
Sample ID: **pH 4**	Laboratory Control Sample					Run: PHSC _101-B_091204A				12/04/09 08:38
pH		3.93	s.u.	0.10	98	97	103			
Sample ID: **pH 7**	Laboratory Control Sample					Run: PHSC _101-B_091204A				12/04/09 08:40
pH		7.03	s.u.	0.10	100	98	102			
Sample ID: **B09120495-001ADUP**	Sample Duplicate					Run: PHSC _101-B_091204A				12/04/09 13:59
pH		6.81	s.u.	0.10				0.1	10	
Method: **A2320 B**										Batch: R140073
Sample ID: **MBLK**	Method Blank					Run: MAN-TECH_091204B				12/04/09 21:45
Alkalinity, Total as CaCO3		ND	mg/L	4						
Sample ID: **LCS**	Laboratory Control Sample					Run: MAN-TECH_091204B				12/04/09 21:51
Alkalinity, Total as CaCO3		97.8	mg/L	4.0	98	90	110			
Sample ID: **B09120478-006AMS**	Sample Matrix Spike					Run: MAN-TECH_091204B				12/04/09 22:51
Alkalinity, Total as CaCO3		505	mg/L	4.0	88	80	120			
Sample ID: **B09120478-006AMSD**	Sample Matrix Spike Duplicate					Run: MAN-TECH_091204B				12/04/09 23:01
Alkalinity, Total as CaCO3		509	mg/L	4.0	91	80	120	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/16/09
Work Order: B09120492

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: R140123
Sample ID: MB	Method Blank				Run: MAN-TECH_091207B				12/07/09 14:15
Alkalinity, Total as CaCO3	ND	mg/L	4						
Sample ID: LCS	Laboratory Control Sample				Run: MAN-TECH_091207B				12/07/09 14:21
Alkalinity, Total as CaCO3	97.8	mg/L	4.0	98	90	110			
Sample ID: B09120400-003AMS	Sample Matrix Spike				Run: MAN-TECH_091207B				12/07/09 16:32
Alkalinity, Total as CaCO3	472	mg/L	4.0	85	80	120			
Sample ID: B09120400-003AMSD	Sample Matrix Spike Duplicate				Run: MAN-TECH_091207B				12/07/09 16:39
Alkalinity, Total as CaCO3	474	mg/L	4.0	86	80	120	0.3	20	
Sample ID: MBLK	Method Blank				Run: MAN-TECH_091207B				12/07/09 16:43
Alkalinity, Total as CaCO3	ND	mg/L	4						
Sample ID: LCS	Laboratory Control Sample				Run: MAN-TECH_091207B				12/07/09 16:48
Alkalinity, Total as CaCO3	96.4	mg/L	4.0	96	90	110			
Sample ID: B09120492-009AMS	Sample Matrix Spike				Run: MAN-TECH_091207B				12/07/09 17:47
Alkalinity, Total as CaCO3	1010	mg/L	4.0	87	80	120			
Sample ID: B09120492-009AMSD	Sample Matrix Spike Duplicate				Run: MAN-TECH_091207B				12/07/09 17:56
Alkalinity, Total as CaCO3	1000	mg/L	4.0	84	80	120	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/16/09
Work Order: B09120492

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Analytical Run: IC202-B_091207A
Sample ID: ICV120709-11	Initial Calibration Verification Standard								12/07/09 11:56
Chloride	25.0	mg/L	1.0	100	90	110			
Sulfate	93.5	mg/L	1.0	94	90	110			
Method: E300.0									Batch: R140109
Sample ID: ICB120709-12	Method Blank				Run: IC202-B_091207A				12/07/09 12:08
Chloride	ND	mg/L	0.3						
Sulfate	ND	mg/L	1						
Sample ID: LFB120709-13	Laboratory Fortified Blank				Run: IC202-B_091207A				12/07/09 12:20
Chloride	23.5	mg/L	1.0	94	90	110			
Sulfate	90.0	mg/L	1.1	90	90	110			
Sample ID: B09120491-002AMS	Sample Matrix Spike				Run: IC202-B_091207A				12/08/09 00:43
Chloride	112	mg/L	1.0	100	90	110			
Sulfate	297	mg/L	1.1	103	90	110			
Sample ID: B09120491-002AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_091207A				12/08/09 00:54
Chloride	112	mg/L	1.0	102	90	110	0.4	20	
Sulfate	300	mg/L	1.1	105	90	110	0.8	20	
Sample ID: B09120492-008AMS	Sample Matrix Spike				Run: IC202-B_091207A				12/08/09 03:25
Chloride	38.4	mg/L	1.0	103	90	110			
Sulfate	385	mg/L	1.1	104	90	110			
Sample ID: B09120492-008AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_091207A				12/08/09 03:37
Chloride	38.7	mg/L	1.0	104	90	110	0.8	20	
Sulfate	386	mg/L	1.1	105	90	110	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/16/09
Work Order: B09120492

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada mod									Analytical Run: AUTOAN201-B_091212D
Sample ID: ICV-1	Initial Calibration Verification Standard								12/12/09 15:13
Cyanide, Total	0.148	mg/L	0.0050	99	90	110			
Method: Kelada mod									Batch: R140368
Sample ID: LFB-2	Laboratory Fortified Blank				Run: AUTOAN201-B_091212D				12/12/09 15:15
Cyanide, Total	0.106	mg/L	0.0050	106	90	110			
Sample ID: MBLK-3	Method Blank				Run: AUTOAN201-B_091212D				12/12/09 15:17
Cyanide, Total	ND	mg/L	0.002						
Sample ID: B09120450-004EMS	Sample Matrix Spike				Run: AUTOAN201-B_091212D				12/12/09 16:17
Cyanide, Total	0.100	mg/L	0.0050	100	90	110			
Sample ID: B09120450-004EMSD	Sample Matrix Spike Duplicate				Run: AUTOAN201-B_091212D				12/12/09 16:19
Cyanide, Total	0.0988	mg/L	0.0050	99	90	110	1.5	10	
Sample ID: B09120499-001BMS	Sample Matrix Spike				Run: AUTOAN201-B_091212D				12/12/09 16:47
Cyanide, Total	0.105	mg/L	0.0050	105	90	110			
Sample ID: B09120499-001BMSD	Sample Matrix Spike Duplicate				Run: AUTOAN201-B_091212D				12/12/09 16:49
Cyanide, Total	0.107	mg/L	0.0050	107	90	110	2.4	10	
Method: E410.4									Batch: R140116
Sample ID: LCS-R140116	Laboratory Control Sample				Run: SPEC_091207A				12/07/09 11:45
Oxygen Demand, Chemical (COD)	121	mg/L	5.0	104	90	110			
Sample ID: MB-R140116	Method Blank				Run: SPEC_091207A				12/07/09 11:45
Oxygen Demand, Chemical (COD)	ND	mg/L	5						
Sample ID: B09120492-001BMS	Sample Matrix Spike				Run: SPEC_091207A				12/07/09 11:45
Oxygen Demand, Chemical (COD)	56.1	mg/L	5.0	103	90	110			
Sample ID: B09120492-001BMSD	Sample Matrix Spike Duplicate				Run: SPEC_091207A				12/07/09 11:45
Oxygen Demand, Chemical (COD)	55.7	mg/L	5.0	101	90	110	0.7	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: SPEC_091207A				12/07/09 11:45
Oxygen Demand, Chemical (COD)	25.4	mg/L	5.0	104	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/16/09
Work Order: B09120492

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E350.1					Analytical Run: FIA203-B_091204A				
Sample ID: ICV	Initial Calibration Verification Standard								12/04/09 09:21
Nitrogen, Ammonia as N	5.55	mg/L	0.30	101	90	110			
Method: E350.1									Batch: R140033
Sample ID: MBLK	Method Blank				Run: FIA203-B_091204A				12/04/09 09:22
Nitrogen, Ammonia as N	ND	mg/L	0.05						
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA203-B_091204A				12/04/09 09:24
Nitrogen, Ammonia as N	1.07	mg/L	0.050	108	90	110			
Sample ID: B09120492-004BMS	Sample Matrix Spike				Run: FIA203-B_091204A				12/04/09 15:24
Nitrogen, Ammonia as N	0.596	mg/L	0.050	61	90	110			S
Sample ID: B09120492-004BMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_091204A				12/04/09 15:25
Nitrogen, Ammonia as N	0.598	mg/L	0.050	61	90	110	0.3	10	S
Method: E353.2					Analytical Run: FIA203-B_091209A				
Sample ID: ICV	Initial Calibration Verification Standard								12/09/09 10:16
Nitrogen, Nitrate+Nitrite as N	36.6	mg/L	0.20	103	90	110			
Method: E353.2									Batch: R140214
Sample ID: MBLK	Method Blank				Run: FIA203-B_091209A				12/09/09 10:17
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.01						
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA203-B_091209A				12/09/09 10:19
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.010	104	90	110			
Sample ID: B09120491-003BMS	Sample Matrix Spike				Run: FIA203-B_091209A				12/09/09 10:25
Nitrogen, Nitrate+Nitrite as N	1.49	mg/L	0.010	106	90	110			
Sample ID: B09120491-003BMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_091209A				12/09/09 10:26
Nitrogen, Nitrate+Nitrite as N	1.48	mg/L	0.010	105	90	110	0.5	10	
Sample ID: B09120520-011CMS	Sample Matrix Spike				Run: FIA203-B_091209A				12/09/09 10:41
Nitrogen, Nitrate+Nitrite as N	3.51	mg/L	0.010	104	90	110			
Sample ID: B09120520-011CMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_091209A				12/09/09 10:43
Nitrogen, Nitrate+Nitrite as N	3.50	mg/L	0.010	103	90	110	0.2	10	
Sample ID: B09120520-006CMS	Sample Matrix Spike				Run: FIA203-B_091209A				12/09/09 10:58
Nitrogen, Nitrate+Nitrite as N	0.953	mg/L	0.010	97	90	110			
Sample ID: B09120520-006CMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_091209A				12/09/09 10:59
Nitrogen, Nitrate+Nitrite as N	0.943	mg/L	0.010	96	90	110	1.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/16/09
Work Order: B09120492

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7						Analytical Run: ICP202-B_091207A			
Sample ID: ICV	Continuing Calibration Verification Standard								12/07/09 11:42
Barium	2.44	mg/L	0.10	98	95	105			
Beryllium	1.27	mg/L	0.010	101	95	105			
Chromium	2.46	mg/L	0.050	98	95	105			
Cobalt	2.45	mg/L	0.020	98	95	105			
Copper	2.48	mg/L	0.010	99	95	105			
Iron	2.53	mg/L	0.030	101	95	105			
Nickel	2.55	mg/L	0.050	102	95	105			
Silver	0.513	mg/L	0.010	103	95	105			
Vanadium	2.47	mg/L	0.10	99	95	105			
Method: E200.7									Batch: R140120
Sample ID: MB-SPDIS091207A	Method Blank				Run: ICP202-B_091207A				12/07/09 12:31
Barium	0.0006	mg/L	0.0001						
Beryllium	0.0003	mg/L	9E-05						
Chromium	ND	mg/L	0.002						
Cobalt	ND	mg/L	0.001						
Copper	ND	mg/L	0.0009						
Iron	0.002	mg/L	0.002						
Nickel	ND	mg/L	0.002						
Silver	ND	mg/L	0.002						
Vanadium	ND	mg/L	0.003						
Sample ID: LFB-SPDIS091207A	Laboratory Fortified Blank				Run: ICP202-B_091207A				12/07/09 12:35
Barium	1.05	mg/L	0.10	105	85	115			
Beryllium	0.530	mg/L	0.010	106	85	115			
Chromium	1.03	mg/L	0.050	103	85	115			
Cobalt	1.00	mg/L	0.020	100	85	115			
Copper	1.04	mg/L	0.010	104	85	115			
Iron	5.21	mg/L	0.030	104	85	115			
Nickel	1.06	mg/L	0.050	106	85	115			
Silver	0.517	mg/L	0.010	103	85	115			
Vanadium	1.03	mg/L	0.10	103	85	115			
Sample ID: B09120492-007BMS2	Sample Matrix Spike				Run: ICP202-B_091207A				12/07/09 17:26
Barium	2.14	mg/L	0.10	102	70	130			
Beryllium	0.983	mg/L	0.0010	98	70	130			
Chromium	1.87	mg/L	0.010	93	70	130			
Cobalt	1.80	mg/L	0.010	90	70	130			
Copper	1.93	mg/L	0.010	96	70	130			
Iron	9.84	mg/L	0.030	95	70	130			
Nickel	1.92	mg/L	0.010	95	70	130			
Silver	0.945	mg/L	0.0050	94	70	130			
Vanadium	1.91	mg/L	0.10	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/16/09
Work Order: B09120492

Method: E200.7
Batch: R140120

Sample ID: B09120492-007BMSD2 Sample Matrix Spike Duplicate Run: ICP202-B_091207A 12/07/09 17:30

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	2.17	mg/L	0.10	104	70	130	1.6	20	
Beryllium	0.974	mg/L	0.0010	97	70	130	1	20	
Chromium	1.88	mg/L	0.010	94	70	130	0.8	20	
Cobalt	1.82	mg/L	0.010	91	70	130	1.1	20	
Copper	1.93	mg/L	0.010	96	70	130	0.2	20	
Iron	9.84	mg/L	0.030	95	70	130	0.1	20	
Nickel	1.93	mg/L	0.010	96	70	130	0.5	20	
Silver	0.949	mg/L	0.0050	94	70	130	0.4	20	
Vanadium	1.92	mg/L	0.10	95	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/16/09
Work Order: B09120492

Method: E200.8 — Analytical Run: ICPMS203-B_091207C

Sample ID: QCS-090602A,090929B,0 — Initial Calibration Verification Standard — 12/08/09 04:23

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Antimony	0.0473	mg/L	0.050	95	90	110			
Arsenic	0.0467	mg/L	0.0050	93	90	110			
Cadmium	0.0247	mg/L	0.0010	99	90	110			
Copper	0.0479	mg/L	0.010	96	90	110			
Lead	0.0473	mg/L	0.010	95	90	110			
Mercury	0.00196	mg/L	0.0010	98	90	110			
Selenium	0.0485	mg/L	0.0050	97	90	110			
Silver	0.0269	mg/L	0.0050	108	90	110			
Thallium	0.0467	mg/L	0.10	93	90	110			
Zinc	0.0483	mg/L	0.010	97	90	110			

Method: E200.8 — Batch: R140127

Sample ID: LRB — Method Blank — Run: ICPMS203-B_091207C — 12/07/09 20:38

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Antimony	8E-05	mg/L	1E-05						
Arsenic	ND	mg/L	2E-05						
Cadmium	3E-05	mg/L	4E-06						
Copper	0.0003	mg/L	3E-05						
Lead	2E-05	mg/L	3E-06						
Mercury	ND	mg/L	1E-05						
Selenium	4E-05	mg/L	4E-05						
Silver	0.0002	mg/L	9E-06						
Thallium	ND	mg/L	8E-06						
Zinc	0.002	mg/L	0.0001						

Sample ID: LFB — Laboratory Fortified Blank — Run: ICPMS203-B_091207C — 12/07/09 20:43

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Antimony	0.0509	mg/L	0.050	102	85	115			
Arsenic	0.0484	mg/L	0.0050	97	85	115			
Cadmium	0.0496	mg/L	0.0010	99	85	115			
Copper	0.0508	mg/L	0.010	101	85	115			
Lead	0.0497	mg/L	0.010	99	85	115			
Mercury	0.00103	mg/L	0.0010	103	85	115			
Selenium	0.0490	mg/L	0.0050	98	85	115			
Silver	0.0189	mg/L	0.0050	94	85	115			
Thallium	0.0484	mg/L	0.10	97	85	115			
Zinc	0.0512	mg/L	0.010	99	85	115			

Sample ID: B09120474-001AMS — Sample Matrix Spike — Run: ICPMS203-B_091207C — 12/08/09 05:04

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Antimony	0.0528	mg/L	0.0050	100	70	130			
Arsenic	0.115	mg/L	0.0050	90	70	130			
Cadmium	0.0481	mg/L	0.0010	96	70	130			
Copper	0.0487	mg/L	0.010	96	70	130			
Lead	0.0488	mg/L	0.010	97	70	130			
Mercury	0.00102	mg/L	0.0010	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/16/09
Work Order: B09120492

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R140127	
Sample ID: B09120474-001AMS	Sample Matrix Spike				Run: ICPMS203-B_091207C			12/08/09 05:04	
Selenium	0.0483	mg/L	0.0050	96	70	130			
Silver	0.0183	mg/L	0.0050	91	70	130			
Thallium	0.0475	mg/L	0.0050	95	70	130			
Zinc	0.0512	mg/L	0.010	96	70	130			
Sample ID: B09120474-001AMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_091207C			12/08/09 05:09	
Antimony	0.0534	mg/L	0.0050	101	70	130	1.2	20	
Arsenic	0.118	mg/L	0.0050	97	70	130	3.2	20	
Cadmium	0.0481	mg/L	0.0010	96	70	130	0.1	20	
Copper	0.0508	mg/L	0.010	101	70	130	4.1	20	
Lead	0.0491	mg/L	0.010	98	70	130	0.7	20	
Mercury	0.00106	mg/L	0.0010	105	70	130	4.1	20	
Selenium	0.0489	mg/L	0.0050	97	70	130	1.1	20	
Silver	0.0183	mg/L	0.0050	91	70	130	0.1	20	
Thallium	0.0480	mg/L	0.0050	96	70	130	1	20	
Zinc	0.0529	mg/L	0.010	100	70	130	3.3	20	
Method: E200.8						Analytical Run: ICPMS203-B_091209B			
Sample ID: QCS-090602A,090929B,0	Initial Calibration Verification Standard							12/09/09 17:58	
Silver	0.0260	mg/L	0.0050	104	90	110			
Method: E200.8								Batch: R140267	
Sample ID: LRB	Method Blank				Run: ICPMS203-B_091209B			12/09/09 16:02	
Silver	0.0003	mg/L	9E-06						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS203-B_091209B			12/09/09 16:06	
Silver	0.0177	mg/L	0.0050	87	85	115			
Sample ID: B09112178-001AMS	Sample Matrix Spike				Run: ICPMS203-B_091209B			12/09/09 16:20	
Silver	0.0166	mg/L	0.0050	83	70	130			
Sample ID: B09112178-001AMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_091209B			12/09/09 16:24	
Silver	0.0183	mg/L	0.0050	91	70	130	9.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 12/09/09
Project: Not Indicated **Work Order:** B09120492

Method: **SW8260B** Analytical Run: VOA5973A.I_091208A

Sample ID: **ccv120809** Continuing Calibration Verification Standard 12/08/09 09:29

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	52.0	ug/L	20	104	70	130			
Acrylonitrile	53.2	ug/L	20	106	70	130			
Benzene	5.24	ug/L	1.0	105	70	130			
Bromochloromethane	5.28	ug/L	1.0	106	70	130			
Bromodichloromethane	5.24	ug/L	1.0	105	70	130			
Bromoform	5.40	ug/L	1.0	108	70	130			
Bromomethane	4.28	ug/L	1.0	86	70	130			
Carbon disulfide	5.24	ug/L	1.0	105	70	130			
Carbon tetrachloride	4.72	ug/L	1.0	94	70	130			
Chlorobenzene	5.36	ug/L	1.0	107	70	130			
Chlorodibromomethane	5.28	ug/L	1.0	106	70	130			
Chloroethane	5.28	ug/L	1.0	106	70	130			
Chloroform	5.36	ug/L	1.0	107	80	120			
Chloromethane	5.00	ug/L	1.0	100	70	130			
1,2-Dibromo-3-chloropropane	5.12	ug/L	1.0	102	70	130			
1,2-Dibromoethane	5.16	ug/L	1.0	103	70	130			
Dibromomethane	5.20	ug/L	1.0	104	70	130			
1,2-Dichlorobenzene	5.44	ug/L	1.0	109	70	130			
1,4-Dichlorobenzene	5.56	ug/L	1.0	111	70	130			
trans-1,4-Dichloro-2-butene	5.64	ug/L	1.0	113	70	130			
Dichlorodifluoromethane	5.88	ug/L	1.0	118	70	130			
1,1-Dichloroethane	5.16	ug/L	1.0	103	70	130			
1,2-Dichloroethane	5.32	ug/L	1.0	106	70	130			
1,1-Dichloroethene	5.60	ug/L	1.0	112	80	120			
cis-1,2-Dichloroethene	5.24	ug/L	1.0	105	70	130			
trans-1,2-Dichloroethene	5.24	ug/L	1.0	105	70	130			
1,2-Dichloropropane	5.20	ug/L	1.0	104	80	120			
cis-1,3-Dichloropropene	5.28	ug/L	1.0	106	70	130			
trans-1,3-Dichloropropene	5.04	ug/L	1.0	101	70	130			
Ethylbenzene	5.44	ug/L	1.0	109	80	120			
2-Hexanone	52.8	ug/L	20	106	70	130			
Iodomethane	3.91	ug/L	1.0	78	70	130			
Methyl ethyl ketone	52.8	ug/L	20	106	70	130			
Methyl isobutyl ketone	54.0	ug/L	20	108	70	130			
Methylene chloride	5.08	ug/L	1.0	102	70	130			
Styrene	5.28	ug/L	1.0	106	70	130			
1,1,1,2-Tetrachloroethane	5.36	ug/L	1.0	107	70	130			
1,1,2,2-Tetrachloroethane	5.44	ug/L	1.0	109	70	130			
Tetrachloroethene	5.44	ug/L	1.0	109	70	130			
Toluene	5.32	ug/L	1.0	106	80	120			
1,1,1-Trichloroethane	5.08	ug/L	1.0	102	70	130			
1,1,2-Trichloroethane	5.40	ug/L	1.0	108	70	130			
Trichloroethene	5.28	ug/L	1.0	106	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/09/09
Work Order: B09120492

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Analytical Run: VOA5973A.I_091208A
Sample ID: ccv120809	Continuing Calibration Verification Standard								12/08/09 09:29
Trichlorofluoromethane	5.60	ug/L	1.0	112	70	130			
1,2,3-Trichloropropane	5.60	ug/L	1.0	112	70	130			
Vinyl acetate	4.96	ug/L	1.0	99	70	130			
Vinyl chloride	5.52	ug/L	1.0	110	80	120			
m+p-Xylenes	10.8	ug/L	1.0	108	70	130			
o-Xylene	5.28	ug/L	1.0	106	70	130			
Xylenes, Total	16.0	ug/L	1.0		0	0			
Surr: 1,2-Dichloroethane-d4			1.0	104	60	136			
Surr: Dibromofluoromethane			1.0	103	70	132			
Surr: p-Bromofluorobenzene			1.0	102	78	160			
Surr: Toluene-d8			1.0	103	75	138			
Method: SW8260B									Batch: R140183
Sample ID: lcs120809	Laboratory Control Sample				Run: VOA5973A.I_091208A				12/08/09 10:04
Acetone	38.6	ug/L	20	77	62	130			
Acrylonitrile	54.0	ug/L	20	108	60	130			
Benzene	5.40	ug/L	1.0	108	71	133			
Bromochloromethane	5.40	ug/L	1.0	108	68	131			
Bromodichloromethane	5.16	ug/L	1.0	103	67	138			
Bromoform	4.88	ug/L	1.0	98	64	136			
Bromomethane	6.88	ug/L	1.0	138	60	138			
Carbon disulfide	4.84	ug/L	1.0	97	46	145			
Carbon tetrachloride	6.72	ug/L	1.0	134	61	144			
Chlorobenzene	5.60	ug/L	1.0	112	78	136			
Chlorodibromomethane	5.40	ug/L	1.0	108	72	136			
Chloroethane	5.52	ug/L	1.0	110	64	136			
Chloroform	5.28	ug/L	1.0	106	69	133			
Chloromethane	5.28	ug/L	1.0	106	63	149			
1,2-Dibromo-3-chloropropane	5.52	ug/L	1.0	110	63	125			
1,2-Dibromoethane	5.20	ug/L	1.0	104	75	131			
Dibromomethane	5.28	ug/L	1.0	106	72	133			
1,2-Dichlorobenzene	5.88	ug/L	1.0	118	78	129			
1,4-Dichlorobenzene	5.76	ug/L	1.0	115	78	131			
trans-1,4-Dichloro-2-butene	5.64	ug/L	1.0	113	50	142			
Dichlorodifluoromethane	5.20	ug/L	1.0	104	55	141			
1,1-Dichloroethane	5.28	ug/L	1.0	106	72	130			
1,2-Dichloroethane	5.20	ug/L	1.0	104	57	146			
1,1-Dichloroethene	5.36	ug/L	1.0	107	66	142			
cis-1,2-Dichloroethene	5.20	ug/L	1.0	104	74	133			
trans-1,2-Dichloroethene	5.12	ug/L	1.0	102	76	138			
1,2-Dichloropropane	5.20	ug/L	1.0	104	72	135			
cis-1,3-Dichloropropene	5.56	ug/L	1.0	111	75	132			
trans-1,3-Dichloropropene	6.08	ug/L	1.0	122	77	145			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/09/09
Work Order: B09120492

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R140183	
Sample ID: lcs120809	Laboratory Control Sample				Run: VOA5973A.I_091208A			12/08/09 10:04	
Ethylbenzene	5.60	ug/L	1.0	112	78	131			
2-Hexanone	48.0	ug/L	20	96	72	131			
Iodomethane	6.76	ug/L	1.0	135	66	132			S
Methyl ethyl ketone	46.4	ug/L	20	93	55	145			
Methyl isobutyl ketone	48.4	ug/L	20	97	73	129			
Methylene chloride	5.00	ug/L	1.0	100	73	126			
Styrene	5.64	ug/L	1.0	113	76	134			
1,1,1,2-Tetrachloroethane	5.48	ug/L	1.0	110	75	135			
1,1,2,2-Tetrachloroethane	5.20	ug/L	1.0	104	72	132			
Tetrachloroethene	5.76	ug/L	1.0	115	78	137			
Toluene	5.44	ug/L	1.0	109	78	134			
1,1,1-Trichloroethane	5.52	ug/L	1.0	110	64	141			
1,1,2-Trichloroethane	5.08	ug/L	1.0	102	72	133			
Trichloroethene	5.56	ug/L	1.0	111	75	138			
Trichlorofluoromethane	5.36	ug/L	1.0	107	58	139			
1,2,3-Trichloropropane	4.36	ug/L	1.0	87	67	133			
Vinyl acetate	5.40	ug/L	1.0	108	31	124			
Vinyl chloride	5.04	ug/L	1.0	101	66	140			
m+p-Xylenes	11.2	ug/L	1.0	112	78	133			
o-Xylene	5.68	ug/L	1.0	114	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	100	70	130			
Surr: Dibromofluoromethane			1.0	105	77	126			
Surr: p-Bromofluorobenzene			1.0	95	76	127			
Surr: Toluene-d8			1.0	104	79	122			
Sample ID: blk120809	Method Blank				Run: VOA5973A.I_091208A			12/08/09 11:13	
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/09/09
Work Order: B09120492

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R140183	
Sample ID: blk120809	Method Blank				Run: VOA5973A.I_091208A			12/08/09 11:13	
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	102	70	130			
Surr: Dibromofluoromethane			1.0	95	77	126			
Surr: p-Bromofluorobenzene			1.0	96	76	127			
Surr: Toluene-d8			1.0	102	79	122			
Sample ID: B09120491-001Cms	Sample Matrix Spike				Run: VOA5973A.I_091208A			12/08/09 20:36	
Acetone	42.4	ug/L	20	85	62	130			
Acrylonitrile	55.2	ug/L	20	110	60	130			
Benzene	5.36	ug/L	1.0	107	71	133			
Bromochloromethane	5.32	ug/L	1.0	106	68	131			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/09/09
Work Order: B09120492

Method: **SW8260B** Batch: R140183

Sample ID: **B09120491-001Cms** Sample Matrix Spike Run: VOA5973A.I_091208A 12/08/09 20:36

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Bromodichloromethane	5.04	ug/L	1.0	101	67	138			
Bromoform	5.00	ug/L	1.0	100	64	136			
Bromomethane	3.31	ug/L	1.0	66	60	138			
Carbon disulfide	5.04	ug/L	1.0	101	46	145			
Carbon tetrachloride	4.28	ug/L	1.0	86	61	144			
Chlorobenzene	5.44	ug/L	1.0	109	78	136			
Chlorodibromomethane	5.32	ug/L	1.0	106	72	136			
Chloroethane	5.04	ug/L	1.0	101	64	136			
Chloroform	5.20	ug/L	1.0	104	69	133			
Chloromethane	4.36	ug/L	1.0	87	63	149			
1,2-Dibromo-3-chloropropane	4.76	ug/L	1.0	95	63	125			
1,2-Dibromoethane	5.20	ug/L	1.0	104	75	131			
Dibromomethane	5.44	ug/L	1.0	109	72	133			
1,2-Dichlorobenzene	5.24	ug/L	1.0	105	78	129			
1,4-Dichlorobenzene	5.16	ug/L	1.0	103	78	131			
trans-1,4-Dichloro-2-butene	4.44	ug/L	1.0	89	50	142			
Dichlorodifluoromethane	5.28	ug/L	1.0	106	55	141			
1,1-Dichloroethane	5.12	ug/L	1.0	102	72	130			
1,2-Dichloroethane	5.48	ug/L	1.0	110	57	146			
1,1-Dichloroethene	5.56	ug/L	1.0	111	66	142			
cis-1,2-Dichloroethene	5.24	ug/L	1.0	105	74	133			
trans-1,2-Dichloroethene	5.20	ug/L	1.0	104	76	138			
1,2-Dichloropropane	5.32	ug/L	1.0	106	72	135			
cis-1,3-Dichloropropene	4.96	ug/L	1.0	99	75	132			
trans-1,3-Dichloropropene	5.16	ug/L	1.0	103	77	145			
Ethylbenzene	5.40	ug/L	1.0	108	78	131			
2-Hexanone	52.4	ug/L	20	105	72	131			
Iodomethane	3.80	ug/L	1.0	76	66	132			
Methyl ethyl ketone	48.4	ug/L	20	97	55	145			
Methyl isobutyl ketone	53.6	ug/L	20	107	73	129			
Methylene chloride	5.12	ug/L	1.0	102	73	126			
Styrene	5.28	ug/L	1.0	106	76	134			
1,1,1,2-Tetrachloroethane	5.40	ug/L	1.0	108	75	135			
1,1,2,2-Tetrachloroethane	5.32	ug/L	1.0	106	72	132			
Tetrachloroethene	5.92	ug/L	1.0	118	78	137			
Toluene	5.36	ug/L	1.0	107	78	134			
1,1,1-Trichloroethane	4.88	ug/L	1.0	98	64	141			
1,1,2-Trichloroethane	5.24	ug/L	1.0	105	72	133			
Trichloroethene	5.32	ug/L	1.0	106	75	138			
Trichlorofluoromethane	5.24	ug/L	1.0	105	58	139			
1,2,3-Trichloropropane	4.68	ug/L	1.0	94	67	133			
Vinyl acetate	4.28	ug/L	1.0	86	31	124			
Vinyl chloride	4.96	ug/L	1.0	99	66	140			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/09/09
Work Order: B09120492

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R140183	
Sample ID: B09120491-001Cms	Sample Matrix Spike				Run: VOA5973A.I_091208A			12/08/09 20:36	
m+p-Xylenes	10.6	ug/L	1.0	106	78	133			
o-Xylene	5.28	ug/L	1.0	106	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	102	70	130			
Surr: Dibromofluoromethane			1.0	99	77	126			
Surr: p-Bromofluorobenzene			1.0	98	76	127			
Surr: Toluene-d8			1.0	102	79	122			
Sample ID: B09120491-001Cmsd	Sample Matrix Spike Duplicate				Run: VOA5973A.I_091208A			12/08/09 21:11	
Acetone	41.2	ug/L	20	82	62	130	2.9	20	
Acrylonitrile	53.6	ug/L	20	107	60	130	2.9	20	
Benzene	5.56	ug/L	1.0	111	71	133	3.7	20	
Bromochloromethane	5.36	ug/L	1.0	107	68	131	0.7	20	
Bromodichloromethane	5.40	ug/L	1.0	108	67	138	6.9	20	
Bromoform	5.24	ug/L	1.0	105	64	136	4.7	20	
Bromomethane	3.97	ug/L	1.0	79	60	138	18	20	
Carbon disulfide	5.04	ug/L	1.0	101	46	145	0	20	
Carbon tetrachloride	4.64	ug/L	1.0	93	61	144	8.1	20	
Chlorobenzene	5.68	ug/L	1.0	114	78	136	4.3	20	
Chlorodibromomethane	5.56	ug/L	1.0	111	72	136	4.4	20	
Chloroethane	5.32	ug/L	1.0	106	64	136	5.4	20	
Chloroform	5.52	ug/L	1.0	110	69	133	6	20	
Chloromethane	5.00	ug/L	1.0	100	63	149	14	20	
1,2-Dibromo-3-chloropropane	5.76	ug/L	1.0	115	63	125	19	20	
1,2-Dibromoethane	5.52	ug/L	1.0	110	75	131	6	20	
Dibromomethane	5.52	ug/L	1.0	110	72	133	1.5	20	
1,2-Dichlorobenzene	5.92	ug/L	1.0	118	78	129	12	20	
1,4-Dichlorobenzene	5.96	ug/L	1.0	119	78	131	14	20	
trans-1,4-Dichloro-2-butene	4.48	ug/L	1.0	90	50	142	0.9	20	
Dichlorodifluoromethane	5.08	ug/L	1.0	102	55	141	3.9	20	
1,1-Dichloroethane	5.36	ug/L	1.0	107	72	130	4.6	20	
1,2-Dichloroethane	5.56	ug/L	1.0	111	57	146	1.4	20	
1,1-Dichloroethene	5.68	ug/L	1.0	114	66	142	2.1	20	
cis-1,2-Dichloroethene	5.48	ug/L	1.0	110	74	133	4.5	20	
trans-1,2-Dichloroethene	5.32	ug/L	1.0	106	76	138	2.3	20	
1,2-Dichloropropane	5.48	ug/L	1.0	110	72	135	3	20	
cis-1,3-Dichloropropene	5.24	ug/L	1.0	105	75	132	5.5	20	
trans-1,3-Dichloropropene	5.48	ug/L	1.0	110	77	145	6	20	
Ethylbenzene	5.72	ug/L	1.0	114	78	131	5.8	20	
2-Hexanone	50.4	ug/L	20	101	72	131	3.9	20	
Iodomethane	4.40	ug/L	1.0	88	66	132	15	20	
Methyl ethyl ketone	47.2	ug/L	20	94	55	145	2.5	20	
Methyl isobutyl ketone	50.8	ug/L	20	102	73	129	5.4	20	
Methylene chloride	5.28	ug/L	1.0	106	73	126	3.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Not Indicated

Report Date: 12/09/09
Work Order: B09120492

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R140183
Sample ID: B09120491-001Cmsd	Sample Matrix Spike Duplicate				Run: VOA5973A.I_091208A				12/08/09 21:11
Styrene	5.52	ug/L	1.0	110	76	134	4.4	20	
1,1,1,2-Tetrachloroethane	5.80	ug/L	1.0	116	75	135	7.1	20	
1,1,2,2-Tetrachloroethane	5.48	ug/L	1.0	110	72	132	3	20	
Tetrachloroethene	5.96	ug/L	1.0	119	78	137	0.7	20	
Toluene	5.64	ug/L	1.0	113	78	134	5.1	20	
1,1,1-Trichloroethane	5.24	ug/L	1.0	105	64	141	7.1	20	
1,1,2-Trichloroethane	5.52	ug/L	1.0	110	72	133	5.2	20	
Trichloroethene	5.68	ug/L	1.0	114	75	138	6.5	20	
Trichlorofluoromethane	5.32	ug/L	1.0	106	58	139	1.5	20	
1,2,3-Trichloropropane	4.88	ug/L	1.0	98	67	133	4.2	20	
Vinyl acetate	4.12	ug/L	1.0	82	31	124	3.8	20	
Vinyl chloride	5.16	ug/L	1.0	103	66	140	4	20	
m+p-Xylenes	11.4	ug/L	1.0	114	78	133	7.2	20	
o-Xylene	5.60	ug/L	1.0	112	79	136	5.9	20	
Surr: 1,2-Dichloroethane-d4			1.0	102	70	130			
Surr: Dibromofluoromethane			1.0	102	77	126			
Surr: p-Bromofluorobenzene			1.0	99	76	127			
Surr: Toluene-d8			1.0	104	79	122			
The sample was analyzed just outside the twelve hour tune window.									
Method: SW8260B									Batch: R140225
Sample ID: lcs120909	Laboratory Control Sample				Run: VOA5973A.I_091209A				12/09/09 08:49
Tetrachloroethene	5.40	ug/L	1.0	108	78	137			
Surr: 1,2-Dichloroethane-d4			1.0	100	70	130			
Surr: Dibromofluoromethane			1.0	108	77	126			
Surr: p-Bromofluorobenzene			1.0	99	76	127			
Surr: Toluene-d8			1.0	97	79	122			
Sample ID: blk120909	Method Blank				Run: VOA5973A.I_091209A				12/09/09 09:59
Tetrachloroethene	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	100	70	130			
Surr: Dibromofluoromethane			1.0	95	77	126			
Surr: p-Bromofluorobenzene			1.0	97	76	127			
Surr: Toluene-d8			1.0	104	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Workorder Receipt Checklist

Richland County Health Dept

B09120492

Login completed by: Darwin C. Miller
Date and Time Received: 12/4/2009 9:50 AM
Reviewed by: BL2000\kmcdonald
Received by: klb
Reviewed Date: 12/8/2009 9:39:44 AM
Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	1°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

Closed

County Richland

Facility & # Richland Co. #102

Closure

Finan Assur

GW Corr Meas

[✓ GW Monitoring]

GW Reports

Inspections

Other: ____________

Landfill

Liner

Methane

O & M

Run-on

Richland County Landfill # 102

Spring 2009

RECEIVED

AUG 07 2009

Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

DISTRICT SANITARIAN
RICHLAND and McCONE COUNTY HEALTH DEPARTMENTS

1201 West Holly St. Suite 5 Sidney, MT 59270 Phone: 406-433-6876

MEMORANDUM

TO: Martin Van Oort; DEQ/Permitting & Compliance/Solid Waste

FROM: Kelly Logan

10

DATE: August 3, 2009

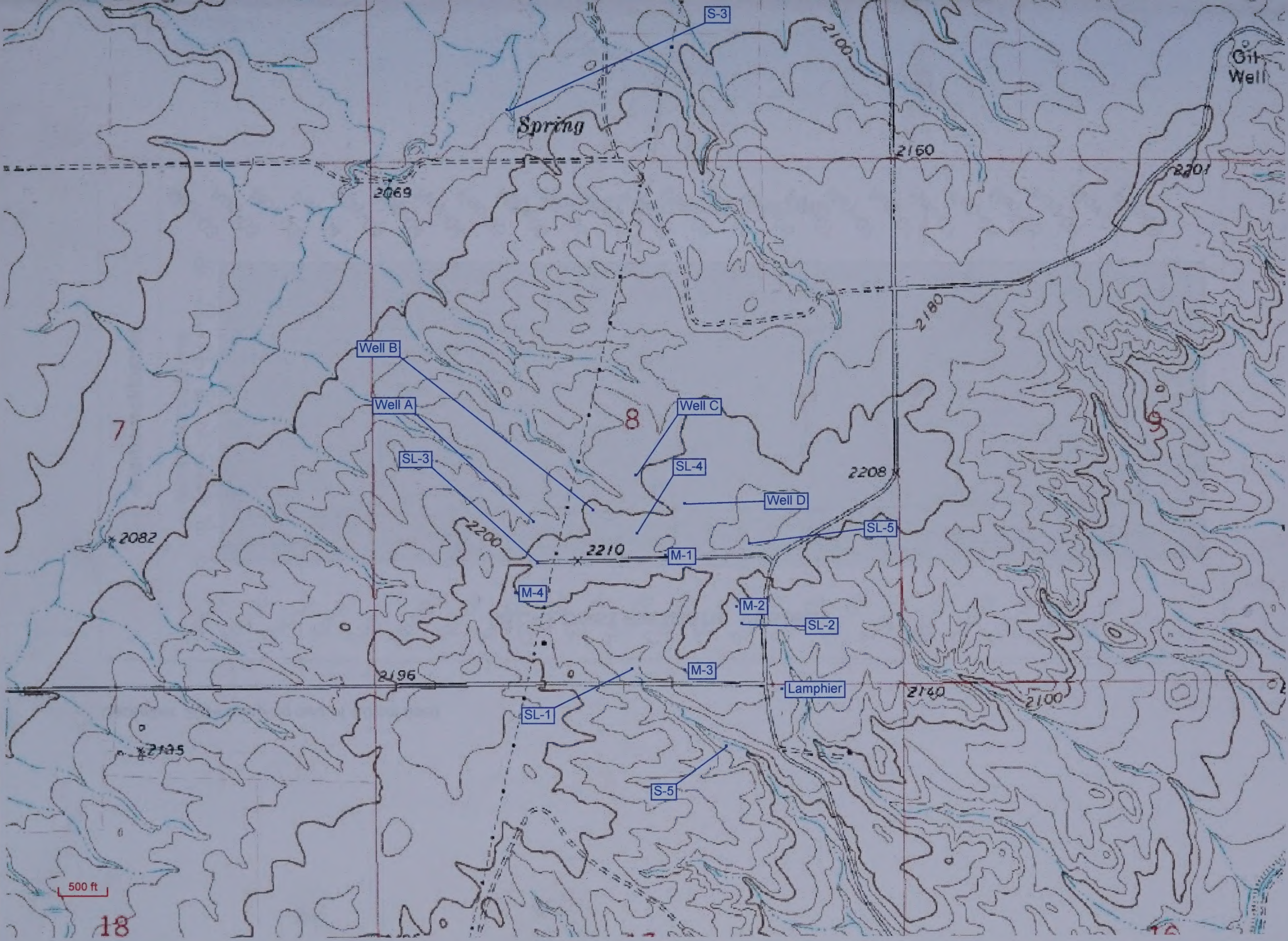
SUBJECT: Richland County Landfill # 102 – April 2009 sampling

Groundwater samples were collected from Richland County Landfill #102 during April. Quality control data was satisfactory. A field duplicate was collected from RM-4. Below is a sampling summary for landfill # 102.

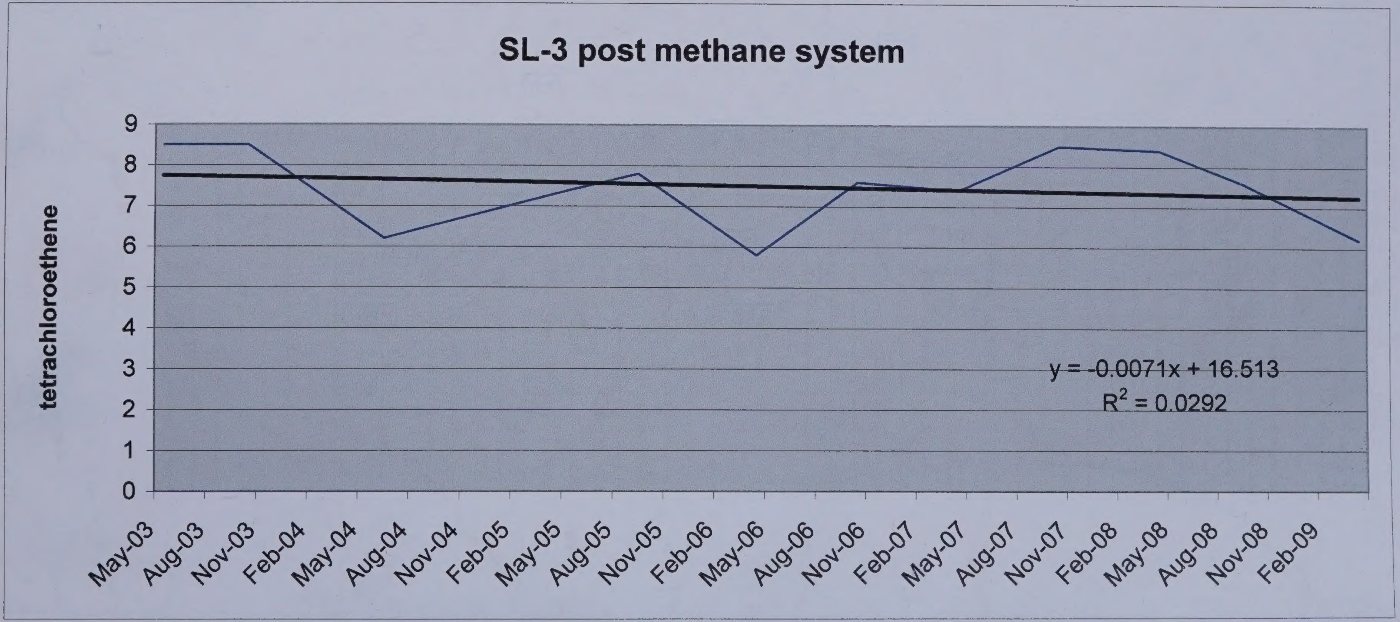
- Analytical results are similar to past events.
- Elevations from the current monitoring wells indicate that groundwater flow is to the southeast. The water table is relatively flat with water mounded at SL-1.
- The overall tend is that tetrachloroethene value is decreasing at SL-4.
- Tetrachloroethene at SL-3 is stable or slightly decreasing.
- Next scheduled sampling if for September 2009.

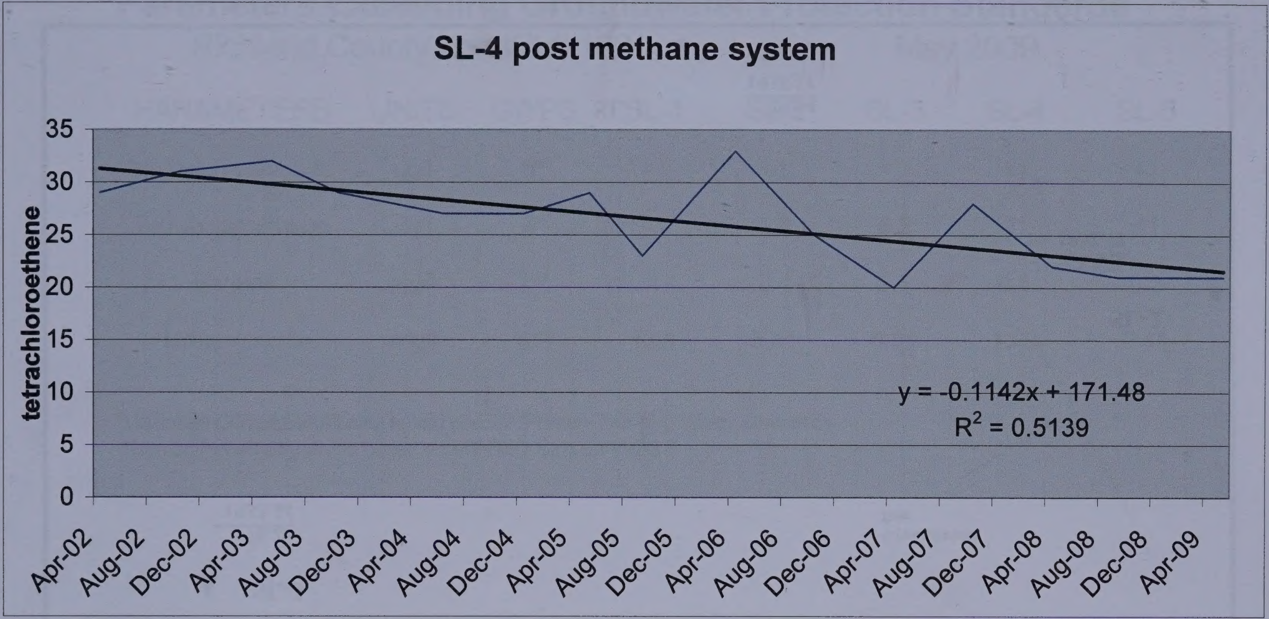
SL-4	Tetrachloroethene	Trichloroethene	Cis-1,2 dichloroethene	Trans-1,2 dichloroethene Vinyl chloride
05/30/98	39	2	2	< 1
10/27/01	28	1	1.2	< 1
4/21/07	20	< 1	<1	<1
5/9/09	21	<1	<1	<1
SL-3				
05/30/98	4	< 1	2	< 1
10/27/01	7.0	1.1	6.9	<1
4/21/07	7.4	1.1	3.3	<1
5/8/09	6.2	< 1	2.5	<1

The well driller had problems with the "hole collapsing" on the first monitoring well drilled so we have scheduled another driller (casing advance rig). Drilling middle of August?


S-3
Oil Well
Spring
2100
2160
2201
2069
2180
Well B
Well A
7
8
9
Well C
SL-3
SL-4
Well D
2208
SL-5
2082
2200
2210
M-1
M-4
M-2
SL-2
M-3
2196
Lamphier
2140
2100
SL-1
2135
S-5
500 ft
18

December 2004 sampling data of 4.0 not used

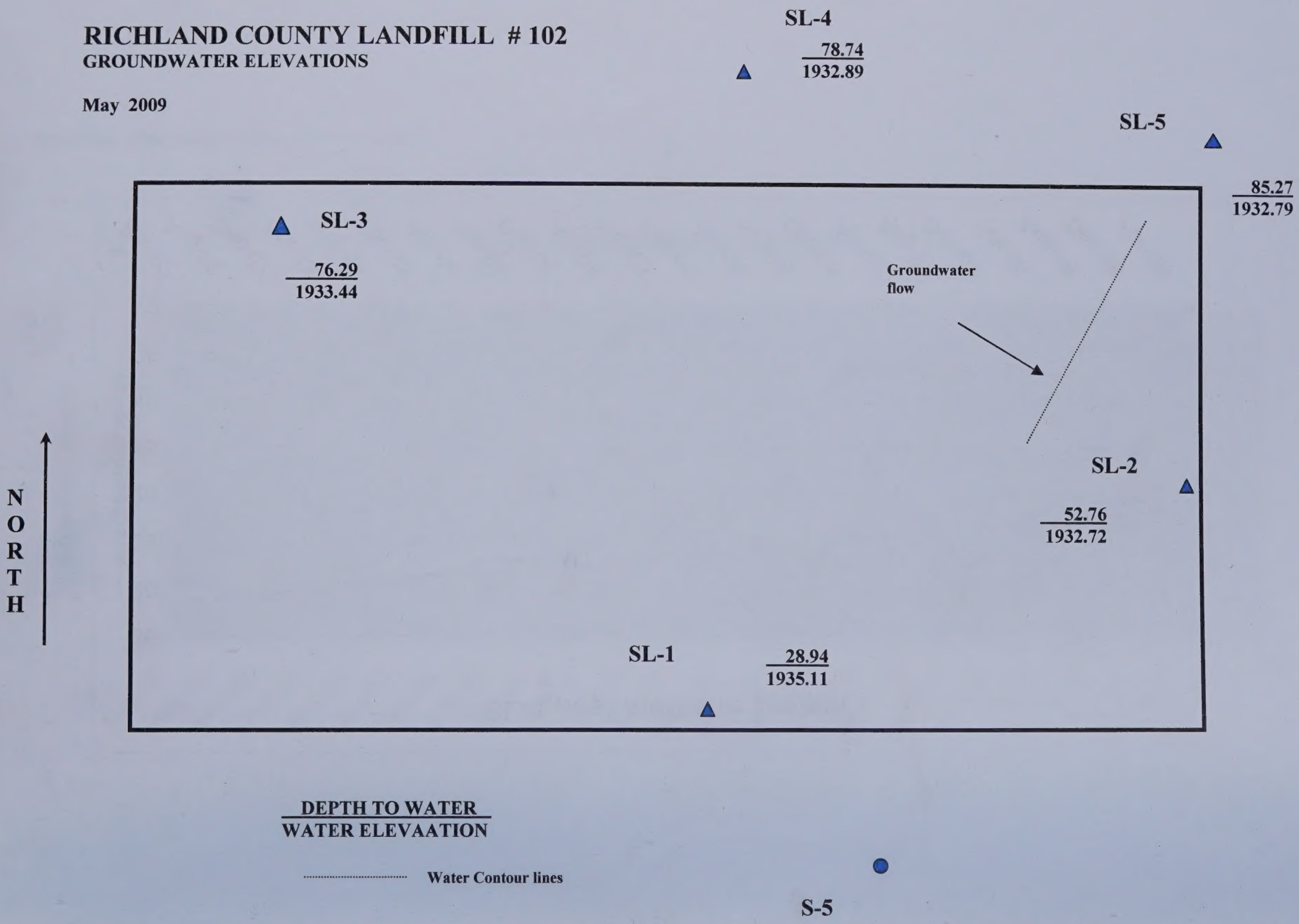



SL-4 post methane system
tetrachloroethene
35
30
25
20
15
10
5
0
Apr-02
Aug-02
Dec-02
Apr-03
Aug-03
Dec-03
Apr-04
Aug-04
Dec-04
Apr-05
Aug-05
Dec-05
Apr-06
Aug-06
Dec-06
Apr-07
Aug-07
Dec-07
Apr-08
Aug-08
Dec-08
Apr-09
y = -0.1142x + 171.48
R^2 = 0.5139

RICHLAND COUNTY LANDFILL # 102

GROUNDWATER ELEVATIONS

May 2009


SL-4
78.74
1932.89
SL-5
85.27
1932.79
SL-3
76.29
1933.44
Groundwater
flow
SL-2
52.76
1932.72
SL-1
28.94
1935.11
S-5
N
O
R
T
H
DEPTH TO WATER
WATER ELEVAATION
Water Contour lines

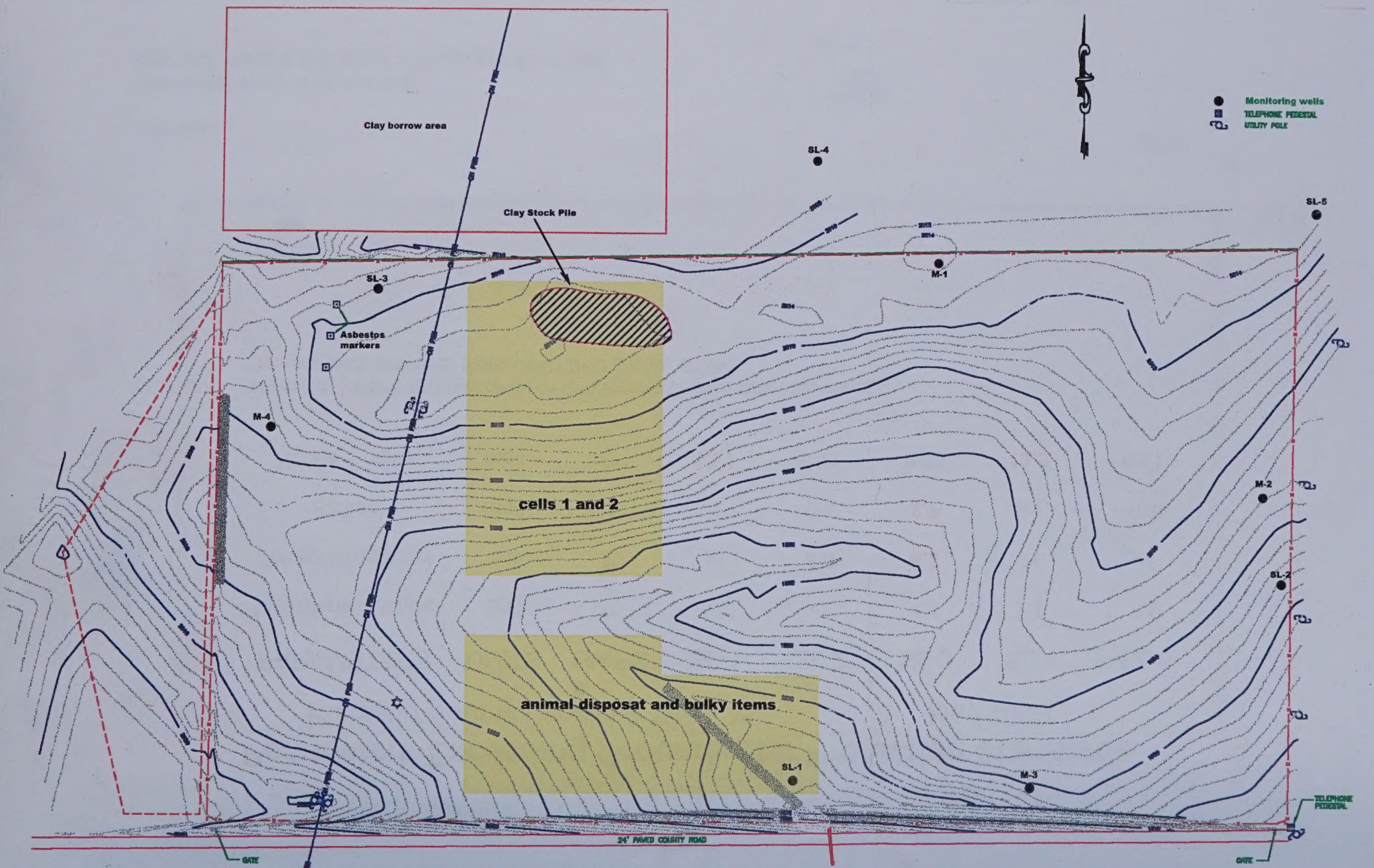
Parameters Exceeding Groundwater Protection Standards

Richland County Landfill # 102 May 2009

PARAMETERS	UNITS	GWPS	SL-1	SL-2	SL-3	SL-4	SL-5
Methylene chloride	ug/l	5*	<1	<1	< 1	<1	<1
Tetrachloroethene	ug/l	5*	<1	**4.0**	**6.2**	**21**	<1
Barium	mg/l	2**	1	0.4	**2.7**	0.1	0.3
Nitrate + nitrite	mg/l	10**	**13.1**	5.41	0.81	**13.9**	0.41

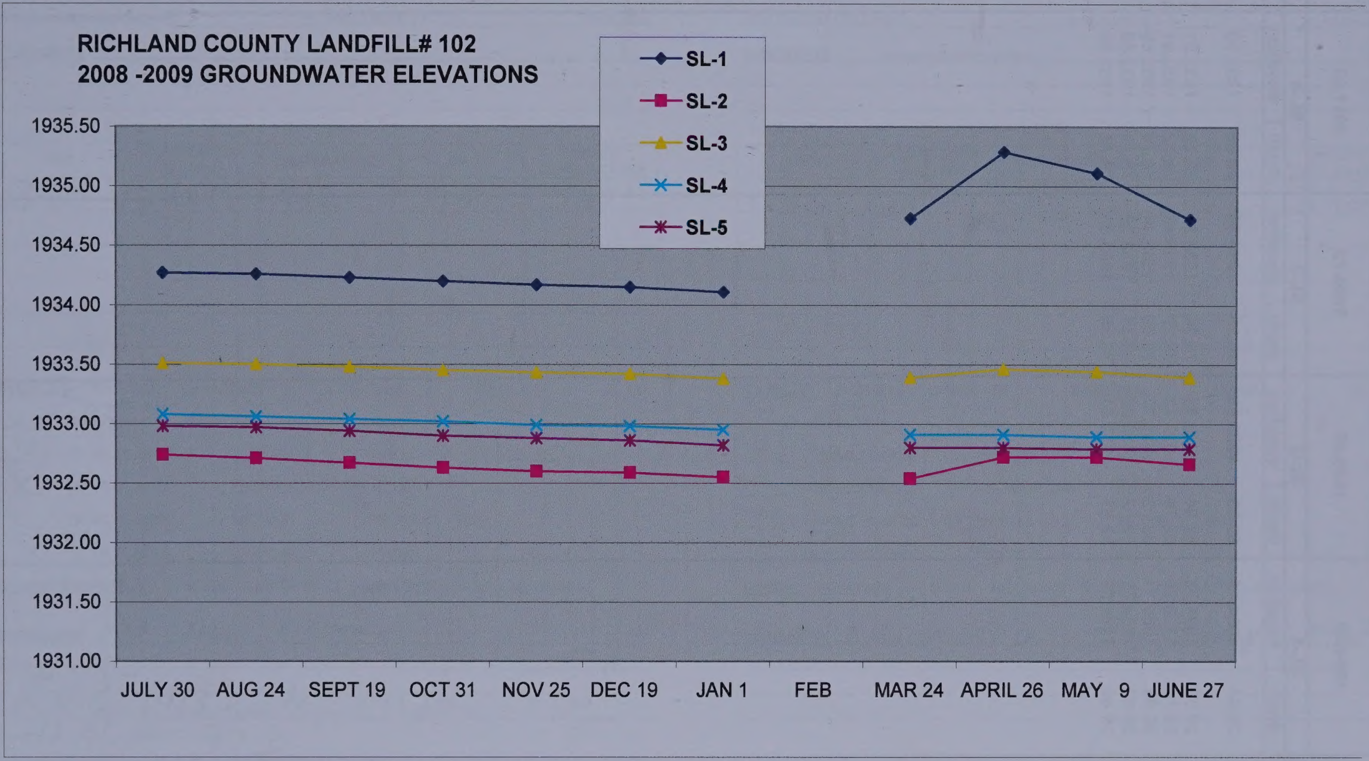
*Maximum Contaminant Level based on EPA Primary Drinking Water Standards

**Human Health Standards based on MT DEQ Circular WQB-7


Clay borrow area
Clay Stock Pile
SL-4
SL-5
M-1
SL-3
Asbestos markers
M-4
cells 1 and 2
M-2
SL-2
animal disposat and bulky items
SL-1
M-3
OIL PIPE
24' PAVED COUNTY ROAD
GATE
GATE
TELEPHONE PEDESTAL
● Monitoring wells
TELEPHONE PEDESTAL
UTILITY POLE

City of Sidney opened landfill in 1970. Garbage was buried over the entire 80 acres. Richland County took over operations in 1980 and excavated deep trenches (cells one and two).

	JULY 30	AUG 24	SEPT 19	OCT 31	NOV 25	DEC 19	JAN 1	FEB	MAR 24	APRIL 26	MAY 9	JUNE 27
SL-1	1934.27	1934.26	1934.23	1934.2	1934.17	1934.15	1934.11		1934.73	1935.29	1935.11	1934.72
SL-2	1932.74	1932.71	1932.67	1932.63	1932.60	1932.59	1932.55		1932.54	1932.72	1932.72	1932.66
SL-3	1933.51	1933.50	1933.48	1933.45	1933.43	1933.42	1933.38		1933.39	1933.46	1933.44	1933.39
SL-4	1933.08	1933.06	1933.04	1933.02	1932.99	1932.98	1932.95		1932.91	1932.91	1932.89	1932.89
SL-5	1932.98	1932.97	1932.94	1932.9	1932.88	1932.86	1932.82		1932.80	1932.80	1932.79	1932.79



RICHLAND COUNTY LANDFILL# 102
2008 -2009 GROUNDWATER ELEVATIONS

GROUNDWATER LEVEL DATA - RICHLAND COUNTY LANDFILL # 102

	MEASURING POINT ELEVATION									
	1964.05		1985.48		2009.73		2011.63		2018.06	
	SL-1		SL-2		SL-3		SL-4		SL-5	
date	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation
01/01/09	29.94	1934.11	52.93	1932.55	76.35	1933.38	78.68	1932.95	85.24	1932.82
02/09/09										
03/24/09	29.32	1934.73	53.94	1932.54	76.34	1933.39	78.72	1932.91	85.26	1932.80
04/26/09	28.76	1935.29	52.76	1932.72	76.27	1933.46	78.72	1932.91	85.26	1932.80
05/09/09	28.94	1935.11	52.76	1932.72	76.29	1933.44	78.74	1932.89	85.27	1932.79
06/27/09	29.33	1934.72	52.82	1932.66	76.34	1933.39	78.74	1932.89	85.27	1932.79
07/22/09	29.46	1934.59	52.87	1932.61	76.35	1933.38	78.74	1932.89	85.28	1932.78

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 5/8/09, 1340 STATION Lamphier

WEATHER overcast T=55 WIND NNW @ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER ____ TOTAL DEPTH ____

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1340	GRAB	7.5	7.3	540

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

X 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS No one home

K std 1413 reads 1417

pH slope 97.3

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME May 8, 2009 STATION S-5

WEATHER P-cldy T=50° WIND NNW @ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER ____ TOTAL DEPTH ____

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS spring in Beagle's pasture

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1145	GRAB	8.0	7.6	343

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

✓ 3 – 40 ML VOA VOC HCL

✓ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

✓ 1 – 500 ML PLASTIC COMMON IONS NONE

✓ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

✓ 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS NO cattle; H_2O trough empty

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME May 8, 09, 1310 STATION S-3
WEATHER Overcast T≈55 WIND NNW@ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____
MEASURING PT. ____ DEPTH TO WATER ____ TOTAL DEPTH ____
WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____
ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS
COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1310	GRAB	11.5	7.2	1109

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

✓ 3 – 40 ML VOA VOC HCL
✓ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4
X 1 – 500 ML PLASTIC COMMON IONS NONE
✓ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3
X 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS No cattle in pasture

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME 5-8-09 / 1535 STATION SL-1
WEATHER mostly cld t≈60° WIND WNW@ 15 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____
MEASURING PT. ____ DEPTH TO WATER 28.94 TOTAL DEPTH 31.12
WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____
ONE CASING VOLUME = ____ GALLONS X 3 = 1.10 GALLONS
COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1512	0			
1535	1.25	11.0	6.2@	928
			12.9°c	

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 3 – 40 ML VOA VOC HCL
X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4
X 1 – 500 ML PLASTIC COMMON IONS NONE
X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3
✓ 1 – ~~250~~ 500 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS starting to sprinkle

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME May 8, 2004 STATION SL-2

WEATHER mostly overcast - T = 55°F WIND NNW @ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 52.76 TOTAL DEPTH 59.06

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 3.15 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1600	0			
1630	3.25	11.0°C	6.1 @	1255
			14.0°C	

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X	3 – 40 ML VOA	VOC	HCL
X	1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X	1 – 500 ML PLASTIC	COMMON IONS	NONE
X	1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
V	1 – ~~250~~ 500 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME May 8, 2004 STATION SL-3

WEATHER mostly cldy T = 55 WIND NW @ 15 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 76.29 TOTAL DEPTH 88.07

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 6 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1650	0			
1735	6	11.0	6.0 @	2683
			12.1°C	

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X	3 – 40 ML VOA	VOC	HCL
X	1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X	1 – 500 ML PLASTIC	COMMON IONS	NONE
X	1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
X	1 – ~~250~~ 500 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - **RICHLAND COUNTY LANDFILL NO.** 102

DATE/TIME 5-9-04 / STATION SL-4
WEATHER p cldy T = 50 WIND NW @ 15 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____
MEASURING PT. ____ DEPTH TO WATER 78.74 TOTAL DEPTH 92.5

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 6.9 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1100	0			
1202	7	10.5	6.2@	2314
			12.4°C	

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X	3 – 40 ML VOA	VOC	HCL
X	1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X	1 – 500 ML PLASTIC	COMMON IONS	NONE
✓	1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
X	1 – ~~250~~ 500 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

GROUNDWATER SAMPLING LOG - **RICHLAND COUNTY LANDFILL NO.** 102

DATE/TIME May 9, 2009 / STATION SL-5
WEATHER p. cldy T = 50 WIND NW @ 15 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____
MEASURING PT. ____ DEPTH TO WATER 85.27 TOTAL DEPTH 97.0

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = 5.9 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1220	0			
1315	6	10.5	6.6@	654
			12.4	

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X	3 – 40 ML VOA	VOC	HCL
X	1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X	1 – 500 ML PLASTIC	COMMON IONS	NONE
X	1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
X	1 – ~~250~~ 500 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ____

LAMPHIER **RICHLAND COUNTY LANDFILL # 102**

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$NO_3 + NO_2$ as N	Cyanide	COD
06/23/93	1755	16.5	627	531	7.5	7.3	43	20	.57	.005 U	56
06/21/95	0845	10.0	321	307	8.5	8.4	17	4	.04 F	.005 U	5 F
08/01/95	1830	11.0		320		8.5					
12/19/95	1730	7.5	354	370	8.4	8.8	19	4	.05 U		5 F
09/13/97	1540	17.0	384	440	8.0	8.1	30	4	.05 U		5 F
05/30/98	1540	11.0	398	430	7.9	7.6	22	10	.31		5 U
12/13/98	1350	12.0	410	480	7.8	6.8	36	8	.05 U	.005 U	5 U
05/21/99	1545	9.5	377	400	7.9	7.9	24	8	.13	.005 U	5 U
09/25/99	1215	14.0	379	530	7.8	6.9	21	6	.17		5 U
05/27/00	1545	10.0	574	630	7.6	7.6	36	8	.05 J	.005 M	5 F
11/20/00	0930	10.0	478	500	7.9		26	8	.13		
04/28/01	1430	11.0	780	830	7.3	7.3	36	15	.84	.005 U	13
10/27/01	1515	11.0	677	730	7.3		33	13	.05 U		
04/27/02	1815	9.0	733	780	7.4	6.6	32	14	.05 U	.005 U	4
10/26/02	1215	10.0	676	700	7.5	6.9	25	12	.11		7
05/31/03	1040	10.0	792	830	7.2	7.5	30	16	.06	.005 U	1 U
10/04/03	1030	12.0	678	780	7.1	6.6	26	14	.05		1 U
06/06/04	1730	10.0	994	1000	7.2	6.7	35	25	.05 U	.005 U	2
12/03/04	1110	8.5	841	910	6.9	7.5	31	21	.05 U		3
05/15/05	1800	10.0	860	820	7.3	7.4	31	23	.05 U	.005 U	3
09/10/05	1535	10.5	984	1026	7.6	7.4	34	29	.05 U		1
10/09/06	1050	10.0	1150	1164	7.2	7.0	26	38	.05 U		4
04/21/07	1750	8.0	747	720	7.4	7.3	25	19	.51	.005 U	2
10/13/07	1020	18.0	1000	1036	6.9	7.1	28	33	.05 U		4
04/13/08	1550	8.0	641	568	7.4	7.7	18	17	.20	.005 U	10
09/20/08	1225	12.0	633	607	7.2	6.9	24	16	.05 U		3
05/08/09	1340	7.5	603	590	7.8	7.3	20	14	.10	.005 U	4

LAMPHIER **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

LAMPHIER

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
06/23/93	.01 U	.008	.30	.002 U	.0005 U	.002 U	.005 U	.001 U	.74	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
06/21/95	.002 U	.005 U	.11	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
12/19/95	.002 U		.11	.002 U				.001 U	.05 J	.002 U		.02 U				.05 U	.06
09/13/97	.003 U		.12	.001 U				.002	.05 U	.003 U		.02 U				.05 U	.70
05/30/98	.003 U	.005 U	.14	.001 U	.0001 U	.001 U	.001 U	.002	.05J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.61
12/13/98	.003 U		.16	.001 U				.007	.05 J	.003 U		.02 U				.05 U	.42
05/21/99	.003 U	.005 U	.15	.001 U	.0001 U	.001 U	.002 U	.004	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.43
09/25/99	.003 U		.15	.001 U		.002			.06	.003 U		.02 J				.05 U	.32
05/27/00	.003 U	.005 U	.21	.001 U	.0001 J	.005 J	.002 J	.005 U	.28	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 U	.21
11/20/00	.05 U		.20	.001 U				.02	.14	.01 U		.01 U				.1 U	.58
04/28/01	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.55 F	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.27
10/27/01	.05 U		.3	.001 U				.01 U	.35	.01 U		.01 U				.1 U	.54
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.24	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.69
10/26/02	.05 U		.3	.001 U				.02	1.70	.01 U		.01 U				.1 U	.68
05/31/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.27	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.53
10/04/03	.05 U		.3	.001 U				.01 U	.25	.01 U		.01 U				.1 U	.86
06/06/04	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.85	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.44
12/03/04	.05 U		.4	.001 U				.01 U	.54	.01 U		.01 U				.1 U	.71
05/15/05	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.70	.01 U	.001 U	.01 U	.005 U	.005 U	.1	.1 U	.74
09/10/05	.05 U		.5	.001 U				.01 U	.79	.01 U		.01 U				.1 U	.52
10/09/06	.05 U		.5	.001 U				.01 U	.89	.01 U		.01 U				.1 U	1.54
04/21/07	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.73
10/13/07	.05 U		.5	.001 U				.01 U	.94	.01 U		.01 U				.1 U	1.95
04/13/08	.005 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.78
09/20/08	.005 U		.2	.001 U				.01 U	.27	.01 U		.01 U				.1 U	1.30
05/08/09	.005 U	.005 U	.2	.001 U	.001	.01 U	.01 U	.05	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.99

LAMPHIER TRACE METALS

LAMPHIER

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 U	5 U	1 U
12/19/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/20/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/15/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

LAMPHIER

ORGANICS - TABLE ONE LIST

LAMPHIER RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/19/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/20/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/06/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/15/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

LAMPHIER ORGANICS - TABLE ONE LIST

LAMPHIER RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/19/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/20/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/15/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

LAMPHIER ORGANICS - TABLE ONE LIST

S-5 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	field	pH lab	field	sulfate	chloride	no_3 + no_2 as N	Cyanide	COD
02/10/93	0745	1.0	380	345	7.1	7.0	24	4	.73	.005 U	5 U
06/23/93	650	12.5	358	464	7.8	7.0	21	2	.20	.005 U	5 U
01/04/94	1635	3.0	398	275	7.4	7.0	19	3	1.47	.005 U	5
05/11/94	1900		357 J		8.1		22	4	.82	.005 U	5 F
10/18/94	1615	10.0		301	7.7	8.0	21	4	.47	.005 U	7
06/21/95	1530	17.0	349	360	8.0 H	7.5	21	4	.68 F	.005 U	5 F
08/01/95	1625	16.0		390		7.6					
12/20/95	1500	5.0	371	390	7.8	7.5	19	4	.72		5 F
07/14/96	1650	14.0	383	400	7.7	7.6	21	18 F	.33	.005 U	5 U
11/24/96	1530		362	420	7.8	8.0	23	3	.17	.005 U	5 U
05/17/97	1715	10.0	361	400	7.8	7.8	20	2	.34	.005 U	5 U
09/13/97	1520	14.0	362	410	7.6	7.7	25	4	.24		20
05/29/98	1645	10.5	367	380	7.7	8.0	16	17	.18		5 U
12/13/98	1100	7.5	333	390	7.7	6.8	22	6	.62	.005 M	5 U
05/22/99	1130	12.0	326	360	7.7	6.9	17	4	.19	.005 M	5 U
09/25/99	1045	11.0	372	420	7.7	6.7	23	4	.16		7
05/27/00	1315	13.0	359	400	7.5	7.6	26	5	.24	.005 M	13 F
11/16/00	1415	6.0	369	430	7.9	7.4	21	5	.42		
04/28/01	1300	9.0	441	420	7.3	7.6	21	5	.52	.005 U	10
10/26/01	1730	9.0	338	370	7.5		17	5	.51		
04/27/02	1250	7.0	355	380	7.7	6.6	17	5	.75	.005 U	5
DUP			353		7.7		17	5	.74	.005 U	4
10/26/02	1055	9.0	393	420	7.6	7.3	15	5	.59		1 U
05/31/03	0945	10.5	401	420	7.4	7.5	18	5	.23	.005 U	1 U
10/04/03	0930	10.5	375	400	7.2	7.3	16	5	.29		1 U
06/05/04	1800	13.0	381	430	7.6	7.8	20	5	.16	.005 U	3
12/02/04	1545	7.0	359	405	7.2	7.5	17	6	.59		3
05/14/05	0840	8.0	363	400	7.8	6.8	18	6	.51	.005 U	1
09/10/05	1110	12.5	373	365	7.7	7.0	19	7	.18		2

S-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

S-5 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	Cyanide	COD
10/09/06	0935	9.0	394	388	7.5	6.9	20	6	.36		1 U
10/09DUP			398		7.5		20	6	.36		2
04/21/07	0815	7.5	400	387	7.6		20	7	.76	.005 U	2
04/21/DUP			399		7.5		19	7	.75	.005 U	2
10/13/07	0920	9.0	407	393	7.3	7.5	19	7	.38		2
05/08/09	1145	8.0	399	393	7.4	7.6	20	6	.54	.005 U	5

S-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

S-5

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/10/93	.05 U	.002 U	.30	.005 U	.005 U	.02 U	.050 U	.020 U	.05 U	.004 U	.0002 U	.02 U	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	.35	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.003	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.05 F
01/04/94	.01 J	.005 U	.30	.002 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.01	.005 U	.30	.002 J	.0005 U	.002 J	.005 U	.002 F	.05 J	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 U
10/18/94	.005 F	.005 U	.29	.002 U	.0005 U	.002 U	.005 U	.007 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 U
06/21/95	.002 U	.005 U	.34	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 J
12/20/95	.002 U		.30	.002 U				.001 U	.05 U	.002 U		.02 U				.05 U	.02 U
07/14/96	.004 U	.005 U	.31	.002 U	.011 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/24/96	.002 U	.005 U	.28	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.32	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02 U
09/13/97	.003 U		.33	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02
05/29/98	.003 U	.005 J	.30	.001 U	.0002	.001 U	.001 U	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		.31	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 U
05/22/99	.003 U	.005 U	.30	.001 U	.0001 U	.001 U	.002 U	.001 J	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/25/99	.003 U		.32	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.30	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 B	.005 J	.0005 M	.002 U	.05 U	.02 U
11/16/00	.05 U		.30	.001 U				.01 U	.03 U	.01 U		.01				.1	.01
04/28/01	.05 U	.005 U	1.1	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/01	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
DUP	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/31/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/04/03	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/09/06	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/9DUP	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
4/21/DUP	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/13/07	.05 U		.3	.001 U				.01 U	R	.01 U		.01 U				.1 U	.01 U
05/08/09	.005 U	.005 U	.3	.001 U	.001	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

S-5 **TRACE METALS**

S-5

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/10/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/18/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 J	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/24/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/29/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 **ORGANICS - TABLE ONE LIST**

S-5 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 ORGANICS - TABLE ONE LIST

S-5

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/10/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/04/94	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/18/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/24/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/29/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/06DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

S-5 ORGANICS - TABLE ONE LIST

S-5

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
05/08/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

S-5

ORGANICS - TABLE ONE LIST

S-5

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/10/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
01/04/94	50 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/18/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/24/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/29/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 ORGANICS - TABLE ONE LIST

S-5

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5

ORGANICS - TABLE ONE LIST

S-3

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity umhos/cm		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
			lab	field	lab	field					
06/23/93	0745	9.9	1280	1242	7.5	6.7	116	186	.18	.005 U	6
12/20/95	1415	7.5	1260	1180	8.0 H	R	160	157	.05 U		12 F
07/14/96	1830	13.0	1200	1280	7.3	7.1	166	252 F	.05 U	.005 U	8
11/24/96	1610		1210	1300	7.2	7.8	185	140	.05 U	.005 U	6
05/17/97	1600	13.0	1210	1280	7.2	7.1	188	143	.05 U	.005 U	7
09/13/97	1430	14.0	1200	1250	7.2	7.3	152	143	.05 U		7 F
05/29/98	1735	12.0	1200	1250	7.2	7.0	161	155	.05 J		5 U
12/13/98	1300	9.0	1110	1240	7.3	6.6	147	126	.05 U	.005 M	5 U
12/13/98 D			1150		7.3		148	130	.05 U		5
05/22/99	1345	12.0	1160	1240	7.2	6.8	155	123	.05 U	.005 M	5
09/25/99	1330	12.0	1100	1170	7.3	6.6	130	112	.05 U		8
05/27/00	1430	15.0	1130	1200	7.3	7.2	165	125	.05 J	.005 M	10 F
11/16/00	1540	8.0	1090	1240	7.6	6.4	159	130	.05 U		
04/28/01	1330	14.0	1190	1250	7.1	7.2	166	134	.05 U	.005 U	10
10/26/01	1800	9.0	1070	1200	7.2		155	130	.05 U		
04/27/02	1330	7.0	1140	1250	7.4	6.3	147	129	.05 U	.005 U	7
10/26/02	1130	10.0	1180	1190	7.5	6.3	143	119	.05 U		14
05/31/03	0850	9.5	1200	1220	7.2	7.1	159	114	.05 U	.005 U	2
10/04/03	0830	9.0	1100	1200	7.3	7.0	167	118	.05 U		4
06/06/04	1700	10.0	1070	1190	7.3	7.0	180	94	.05 U	.005 U	8
12/03/04	1130	9.0	1080	1200	7.1	7.2	164	102	.05 U		8
05/14/05	0920	8.0	1120	1210	7.4	7.0	178	106	.05 U	.005 U	7
09/10/05	1500	14.0	1120	1141	7.5	7.2	169	106	.05 U		8
04/22/06	0930	10.5	1040	1148	7.6	7.2	192	104	.05 U	.005 U	7
10/09/06	1015	9.0	1170	1152	7.2	7.0	172	117	.05 U		5
04/21/07	1703	10.0	1180	1146	7.2	7.2	174	113	.05 U	.005 U	8
10/13/07	1005	9.5	1170	1135	7.0	7.2	178	101	.05 U		7

sample date	sample time	water temp ©	specific conductivity umhos/cm		pH		sulfate	chloride	no_3 + no_2 as N	cyanide	cod
			lab	field	lab	field					
04/13/08	1230	10.5	1110	1114	7.3	7.4	179	93	.05 U	.005 U	10
4/13/DUP			1120		7.2		179	93	.05 U	.005 U	12
09/20/08	1255	12.0	1120	1095	7.0	7.1	193	84	.05 U		8
05/08/09	1310	11.5	1130	1109	7.2	7.2	207	87	.05 U	.005 U	9

S-3

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
06/23/93	.01 U	.005 U	.20	.002 U	.0005 U	.002 U	.005 U	.001 U	.17	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
12/20/95	.002 U		.14	.002 U				.001 U	.26	.002 U		.02 J				.05 U	.02 U
07/14/96	.004 U	.005 U	.15	.002 U	.002 F	.002 U	.005 U	.001 U	.17	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/24/96	.004 U	.005 U	.14	.001 U	.0005 U	.002 U	.005 U	.001 U	.11	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.15	.001 U	.0005 U	.002 U	.005 U	.001 U	.08	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.06
09/13/97	.003 U		.16	.001 U				.001 U	.10	.003 U		.02 J				.05 U	.04
05/29/98	.003 U	.005 U	.14	.001 U	.0001 U	.001 U	.001 U	.001 U	.11	.003 U	.0002 U	.04	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		.14	.001 U				.001 U	.11	.003 U		.02 U				.05 U	.02 J
12/13/98	.003 U		.15	.001 U				.001 U	.12	.003 U		.02 U				.05 U	.03
05/22/99	.003 U	.005 J	.14	.001 U	.0001 U	.001 U	.002 U	.002	.11	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/25/99	.003 U		.12	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/27/00	.003 J	.005 J	.13	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 J	.003 U	.0002 M	.02 J	.005 U	.0002 M	.002 U	.05 U	.02 U
11/16/00	.05 U		.10	.001 U				.01 U	.12	.01 U		.01 U				.1 U	.01 J
04/28/01	.05 U	.005 U	.1	.001 U	.001 U	.01 J	.01 U	.01 U	.08 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01
10/26/01	.05 U		.2	.001 U				.01 J	.16	.01 U		.01 J				.1 U	.01 U
04/27/02	.05 U	.005 U	.1 U	.001 U	.001 U	.01 U	.01 U	.01 U	.09	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.1	.001 U				.01 U	.15	.01 U		.01				.1 U	.01 U
05/31/03	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.12	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/04/03	.05 U		.1	.001 U				.01 U	.23	.01 U		.01 U				.1 U	.01 U
06/06/04	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.12	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.1	.001 U				.01 U	.15	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.14	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.1	.001 U				.01 U	.16	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.20	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.2	.001 U				.01 U	.47	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.17	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/13/07	.05 U		.1	.001 U				.01 U	.24	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.20	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
4/13/DUP	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.25	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.1	.001 U				.01 U	.11	.01 U		.01 U				.1 U	.01 U
05/08/09	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.13	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

S-3 **TRACE METEALS**

S-3 RICHLAND COUNTY LANDFILL - 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/24/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/29/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
12/13/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4/13/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-3 ORGANICS - TABLE ONE LIST

S-3 RICHLAND COUNTY LANDFILL - 102

S-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane	MEK
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U	50 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	20 U
07/14/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
11/24/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 J
05/29/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
12/13/98 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U	20 U
11/16/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
06/06/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
4/13/DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/08/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U

S-3 ORGANICS TABLE ONE LIST

S-3

RICHLAND COUNTY LANDFILL # 102

Date	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
06/23/93	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/14/96	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/24/96	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/29/98	20 U	5 U	1 U	1 U	1 U	1 U	1 B	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98 D	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4/13/DUP	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-3 ORGANICS - TABLE ONE LIST

S-3 RICHLAND COUNTY LANDFILL # 102

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1050	24.92	11.5	1170	1202	6.5	6.6	27	25	1.24	.005 U	27
06/23/93	1200	23.55	11.5	1780	1650	6.8	6.6	19	153	.60	.005 U	105
01/04/94	1515	23.42	10.0	538	498	6.7	7.0	27	16	10.6	.005 U	19
05/11/94	1445	23.31		605 F		6.8		56	15	4.7	.005 U	70 F
05/11/94 D				398 F		6.8		49	17	4.6	.005 U	141 F
10/19/94	1500	23.33	11.0	821	717	7.4	6.6	27	14	47	.005 U	88
06/21/95	1405	28.01	11.0	936	793	6.7	6.6	28	11	14.6 F	.005 U	66 F
08/01/95	1815	27.71	11.5		940		6.5					
12/20/95	1545	28.15	11.0	1050	1050	6.7	6.6	21	12	35		171 F
07/13/96	1150	28.43	11.0	1210	1350	6.6	6.6	25	38 F	22	.005 U	89
11/23/96	1050	28.62	7.0	1340	1450	6.8	6.7	25	15	42	.005 U	126
05/17/97	1015	27.74	11.0	1270	1290	6.6	6.4	23	15	26	.005 U	50
09/12/97	1820	27.95	12.0	1170	1220	6.7	6.5	41	9	25		36 F
05/30/98	1430	27.88	11.0	1250	1300	6.7	6.6	28	17	17.6		20
12/13/98	1155	28.39	11.0	960	1030	6.6	6.2	21	6	12	.005 M	14
05/21/99	1655	27.96	11.5	1060	1130	6.7	7.0	27	9	12	.005 M	22
05/21/99 D				1070		6.7		28	9	13	.005 M	27
09/23/99	1350	28.30	12.0	1220	1240	6.6	6.6	27	12	21.5		20
05/27/00	1240	28.77	11.0	1110	1220	6.8	7.0	28	12	27.5	.005 M	35 F
11/16/00	1245	28.95	9.0	R	1150	6.9	6.4	22	10	39.9		
04/28/01	1220	27.01	13.0	1220	1330	6.5	6.9	35	8	2.82	.005 U	21
10/26/01	1700	27.99	9.5	874	1010	6.7		22	7	7.00		
04/26/02	1830	28.45	10.5	1220	1330	6.8	6.5	23	10	9.97	.005 U	12
10/26/02	0815	28.67	9.5	1140	1170	6.8	6.9	18	7	29.8		1 U
05/31/03	0630	28.93	10.5	949	980	6.6	6.7	15	6	16.2	.005 U	2
10/03/03	1800	29.06	12.0	824	920	6.5	6.5	15	6	20.2		4
06/05/04	1720	28.33	11.0	1290	1420	6.8	6.7	45	14	12.8	.005 U	19
12/02/04	1520	28.91	9.5	1050	1180	6.5	6.9	24	8	11.8		16
05/13/05	1415	29.15	11.0	848	880	6.8	7.0	16	4	19.9	.005 U	13
09/09/05	1815	29.23	11.5	845	849	6.9	7.4	20	5	22.3		22

SL-1 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	no$_3$ + no$_2$ as N	cyanide	cod
				lab	field	lab	field					
04/22/06	0930	29.35	12.0	721	804	6.9	7.2	16	4	13.1	.005 U	8
10/07/06	1205	29.25	11.5	891	857	6.7	7.2	21	5	16.8		20
04/21/07	0910	29.49	10.0	1010	984	6.7	6.8	22	6	31.4	.005 U	13
10/13/07	1058	29.50	10.0	921	898	6.5	7.0	19	5	30.7		9
04/12/08	1550	29.67	11.0	918	916	6.6	7.0	23	5	25.5	.005 U	27
09/19/08	1810	29.82	11.0	819	810	6.3	6.8	16	7	25.2		4
05/08/09	1535	28.94	11.0	877	928	6.6	6.2	26	5	13.1	.005 U	16

SL-1 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-1

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.003	3.30	.005 U	.0005 U	.02 U	.05 U	.02 U	.56	.004 U	.0002 U	.02	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	5.90	.002 U	.0005 U	.002 U	.008	.003	.05 U	.002 U	.0005 U	.05	.005 U	.0002 U	.01 U	.05 U	.05 F
01/04/94	.01 J	.005 U	1.60	.004 M	.0005 U	.002 U	.005 U	.001	.05 J	.002 U	.0002 U	.02	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.003	.005 J	0.30	.002 J	.0012	.002 U	.005 J	.005 F	.11	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 J
05/11/94 D	.002 U	.005 J	0.30	.002 J	.0011	.002 U	.005 J	.002 F	.14	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.008 F	.005 U	0.76	.002 U	.0005 U	.002 U	.005 J	.011 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02
06/21/95	.002 U	.005 U	1.05	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02	.005 U	.0002 U	.002 U	.05 J	.05
12/20/95	.002 U		1.23	.002 U				.002	.05 J	.005 U		.02				.05 U	.02 U
07/13/96	.004 U	.005 U	1.72	.002 U	.003 F	.002 U	.005 J	.002	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/23/96	.002 U	.005 U	1.65	.001 U	.0005 U	.002 U	.005 J	.001 U	.05 J	.001 U	.0002 U	.03	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	2.04	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 J	.005 U	.0005 U	.002 U	.05 U	.02 J
09/12/97	.003 U		1.76	.001 U				.001	.05 U	.003 U		.02 U				.05 U	.04
05/30/98	.003 U	.005 U	1.92	.001 U	.0002	.001 U	.001	.001	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		1.53	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02
05/21/99	.003 U	.005 U	1.70	.001 U	.0001 U	.001 U	.002 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
05/21/99 D	.003 U	.005 U	1.65	.001 U	.0001 U	.001 U	.002 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/23/99	.003 J		1.79	.001 U				.001	.05 U	.003 U		.02 J				.05 J	.02 U
05/27/00	.003 U	.005 J	1.66	.001 U	.0001	.005 J	.002 J	.005 J	.05 U	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 U	.02 U
11/16/00	.05 U		1.50	.001 U				.01 U	.03 U	.01 U		.03				.1 J	.02
04/28/01	.05 U	.005 U	2.0	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01	.005 U	.005 U	.1 U	.1 U	.01
10/26/01	.05 U		1.5	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01 U
04/26/02	.05 U	.005 U	1.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		1.5	.001 U				.01 U	.03 U	.01 U		.01				.1 U	.01 U
05/31/03	.05 U	.005 U	1.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		1.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	1.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		1.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	1.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		1.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	1.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/07/06	.05 U		1.2	.001 U				.01 U	.04	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	1.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.02
10/13/07	.05 U		1.3	.001 U				.01 U	.18	.01 U		.01 U				.1 U	.02
04/12/08	.005 U	.005 U	1.0	.001 U	.001 U	.01 U	.01 U	.01 U	.09	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	0.01 U
09/19/08	.005 U		1.0	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.02
05/08/09	.005 U	.005 U	1.0	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	0.01 U

SL-1 **TRACE METALS**

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	11	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
05/30/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/21/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	9	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	8	5 U	1 U	1 U	2 U	1 U	31	1 U	1 U	1 U	1 U	5	25 U	10 U
01/04/94	2 U	1 U	2	5 U	1	1 U	2 U	1 U	2	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 J	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 M	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	3.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	2.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-1 **ORGANICS - TABLE ONE LIST**

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/12/08	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1
01/04/94	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
05/30/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1 ORGANICS - TABLE ONE LIST

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1715	49.80	11.5	1410		6.6	6.7	50	22	9	.005 U	16
06/23/93	1700	49.35	12.5	1460	1360	7.0	6.8	45	18	6.6	.005 U	8
01/05/94	1230	48.43	9.5	1420	1035	7.3	7.2	26	40	7.7	.005 U	31
05/11/94	1650	48.25	14.0	1350 F	1333	7.3	6.8	36	19	5.8	.005 U	14 F
10/19/94	1310	47.95	11.5	1110	944	7.6	7.0	29	23	4.6	.005 U	17
06/21/95	1305	49.40	12.0	1390	1169	7.0	6.8	56	13	6.66 F	.005 U	18 F
08/01/95	1730	49.30	13.0		1280		6.8					
12/20/95	1630	49.47	11.0	1270	1200	7.0	6.4		10	3.02		71 F
07/13/96	1340	51.47	13.0	1300	1360	6.9	6.8	67	14 F	4.7	.005 U	41
07/13/96 D			13.0	1310	1350	6.9	6.8	67	60 F	4.5	.005 U	35
11/23/96	1215	51.64	9.0	1240	1400	6.8	6.9	74	19	3.8	.005 U	41
05/17/97	1200	51.21	13.0	1280	1340	6.9	6.8	39	36	6.2	.005 U	50
09/13/97	1305	51.16	13.5	1420	1470	6.9	7.0	42	74	6.8		34 F
05/31/98	1320	51.19	13.5	2470	2600	6.9	7.1	37	230	17.8		32
12/13/98	1015	51.44	10.5	1600	1670	6.8	6.4	46	119	8.49	.005 U	17
05/21/99	1400	51.25	12.5	1980	2300	6.8	7.1	44	166	25	.005 U	45
09/24/99	1015	51.50	12.0	2260	2350	6.8	6.6	29	290	13.4		19
09/24/99 D				2130		6.8		31	282	10.7		25
05/27/00	1045	51.73	12.5	1480	1630	6.9	6.9	57	112	7.38	.005 M	19 F
05/27/00 D				1540		6.9		59	112	7.51	.005 M	12 F
11/16/00	1410	51.92	8.5	1330	1500	7.2	6.7	57	70	5.94		
11/16/00 D				1320		7.1		54	72	5.53		
04/27/01	1700	51.24	13.0	1330	1400	6.9	6.6	49	79	9.11	.005 U	17
10/27/01	1430	51.20	10.5	1690	1980	6.9		54	166	18.4		
10/27/01 D				1680		6.9		54	170	18.6		
04/26/02	1925	51.45	11.0	1330	1450	7.0	6.5	45	61	7.37	.005 U	1 U
10/25/02	1500	51.64	10.0	1340	1340	7.3	7.4	54	40	5.16		1 U
05/31/03	0725	51.82	10.5	1340	1350	6.8	6.8	60	48	5.61	.005 U	1 U
10/03/03	1725	51.97	13.5	1220	1320	6.8	6.6	66	40	5.29		1 U

SL-2 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
06/05/04	1600	51.57	13.0	1140	1250	6.9	7.2	48	57	6.96	.005 U	6
12/03/04	1350	51.92	11.0	1060	1155	6.7	6.8	44	34	3.58		5
12/03/04DUP				1060		6.8		44	34	3.48		4
05/13/05	1530	52.08	12.0	1110	1160	7.0	7.0	53	31	4.23	.005 U	5
09/10/05	1010	52.11	12.5	1130	1092	7.2	7.2	50	25	4.41		5
04/22/06	0800	52.30	11.0	1040	1156	7.1	7.2	64	28	5.12	.005 U	3
10/07/06	1308	52.31	11.5	1130	1090	6.9	7.2	59	30	4.16		5
04/21/07	1130	52.44	10.5	1210	1170	6.8	6.8	70	34	4.79	.005 U	6
10/12/07	1700	52.53	9.5	1220	1173	7.0	7.1	77	38	4.35		4
04/13/08	1455	52.63	10.0	1230	1246	6.8	6.8	88	46	4.72	.005 U	11
09/19/08	1700	52.81	10.5	1270	1224	6.6	6.9	89	47	5.23		4
05/08/09	1630	52.76	11.0	1270	1255	6.8	6.1	97	50	5.41	.005 U	7

SL-2

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.002 U	.90	.005 U	.005 U	.02 U	.05 U	.02 U	.05 U	.004 U	.0002 U	.02 U	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	.92	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
01/05/94	.01 J	.005 U	.80	.007 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.04 U	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.008	.005 U	.80	.012	.0005 U	.002 J	.005 J	.003 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.003 F	.005 U	.74	.002 U	.0005 U	.002 U	.005 U	.001 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/21/95	.002 U	.005 U	.90	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.04
12/20/95	.002 U		.70	.002 U				.001 U	.05 J	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 U	.67	.002 U	.002 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
07/13/96 D	.004 U	.005 U	.68	.002 U	.0005 F	.002 U	.005 U	.001	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/23/96	.002 U	.005 U	.52	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.62	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02 J
09/13/97	.003 U		.71	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/31/98	.003 U	.005 U	1.22	.001 U	.0001	.001 U	.001 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 J
12/13/98	.003 U		.82	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/21/99	.003 U	.005 U	.99	.001 U	.0001 U	.001 U	.003 J	.001 J	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/24/99	.003 U		1.02	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
09/24/99 D	.003 J		1.02	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.75	.001 U	.0001 J	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 J	.02 U
05/27/00 D	.003 J	.005 J	.75	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 J	.02 U
11/16/00	.05 U		.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 J
11/16/00 D	.05 U		.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.02
04/27/01	.05 U	.005 U	.7	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/27/01 D	.05 U		.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/26/02	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		.6	.001 U				.01 U	.03 U	.01 U		.01				.1 U	.01
05/31/03	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.5	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
12/03/04DUI	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/07/06	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/19/08	.005 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
05/08/09	.005 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-2 TRACE METALS

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	ChlorO dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	1 U	14 U	2 U	1 U	1 U	1 U	1	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	2	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/24/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
05/27/00 D	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U

SL-2 **ORGANICS - TABLE ONE LIST**

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	ChlorO dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U

SL-2

ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	3	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	1	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
07/13/96 D	1 U	1 U	1 U	5 U	1 J	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
05/27/00 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/16/00 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04DUP	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/13/08	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-2

ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	32 U	5 U	1 U	1 U	2 U	19	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	11	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
07/13/96 D	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/13/97	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	8	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 X	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/24/99 D	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
05/27/00 D	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	8.9	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	7.4	1 U	1.1	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	4.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	4.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	5.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	4.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	5.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	5.2	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	6.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	5.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U

SL-2 **ORGANICS - TABLE ONE LIST**

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	**4.6**	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	**4.7**	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 U	1 U	1 U	1 U	**4.0**	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U

SL-2

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1530	73.46	10.0	2063	2070	6.7	6.9	24	108	9.2	.005 U	15
06/23/93	1530	73.41	11.0	2070	1620	6.9	6.8	21	116	8.4	.005 U	10
01/05/94	0945	73.11	8.5	1800	1560	6.9	7.1	17	127	8.0	.005 U	16
05/11/94	1210	72.92	11.5		1944	7.1	7.0	24	136	6.8	.005 U	21 F
10/19/94	1115	72.57	10.0	1810	1417	7.1	7.1	16	134	6.4	.005 U	24
06/21/95	1125	75.66	10.5	2070	1980	7.0	6.8	18	116	5.27 F	.005 U	18 F
08/01/95	1600	75.60	12.5		2300		6.8					
12/20/95	0830	75.52	10.0	2170	1910	7.1	6.7	16	142	5.3		44 F
07/13/96	1725	75.54	13.0	2130	2450	7.2	6.8	25	259 F	6.5	.005 U	57
11/25/96	0915	75.57	4.0	2200	2600	7.1	7.1	24	162	4.6	.005 U	14
05/17/97	1430	75.42	12.0	2040	2400	7.0	6.9	20	162	5.7	.005 U	42
09/13/97	1100	75.18	12.0	2090	2400	7.0	7.4	24	166	4.2		21 F
05/30/98	1040	75.18	12.0	2360	2500	7.0	6.7	16	174	5.16		22
12/12/98	1125	75.33	11.0	2300	2200	6.9	6.6	30	159	4.81	.005 M	30
05/21/99	0955	75.27	10.5	2390	2800	7.0	6.6	18	176	2.37	.005 M	70
09/23/99	1030	75.25	12.0	2580	2800	6.9	6.7	5 U	182	1.89		48
05/26/00	1645	75.38	12.0	2560	3000	6.8	6.8	26	238	3.00	.005 M	33 F
11/17/00	1030		10.0	2580	3000	6.9		24	309	2.95		
04/27/01	1840	75.57	13.0	2700	3000	6.7	6.5	21	359	2.11	.005 U	29
10/27/01	1045	75.18	9.5	2930	3300	6.8		26	399	1.93		
04/26/02	1740	75.14	10.5	2920	3300	6.8	6.9	14	418	.59	.005 U	21
10/25/02	1645	75.35	10.0	3370	3700	7.0	6.2	12	497	.67		41
05/30/03	1620	75.53	13.0	3670	3950	6.6	6.9	17	582	1.56	.005 U	16
10/03/03	1045	75.63	12.0	3340	3650	6.6	6.4	16	640	1.43		12
06/05/04	1115	75.49	12.0	3370	4000	6.8	6.4	19	645	1.98	.005 U	48
12/02/04	1250	75.67	10.0	3410	3990	6.6	6.7	19	617	1.19		25
05/13/05	1320	75.71	11.0	3460	3850	6.9	6.8	21	602	0.96	.005 U	12
09/09/05	1520	75.78	11.5	3330	3440	7.3	7.4	20	578	0.89		15

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/22/06	1200	75.91	13.0	2830	3320	6.9	7.2	19	547	.82	.005 U	8
10/09/06	1210	75.95	11.0	3260	3130	6.8	7.6	20	516	.80		27
04/21/07	1030	76.02	10.5	3330	3170	6.8	6.5	22	529	.65	.005 U	15
10/12/07	1620	76.09	10.0	3230	3220	6.7	6.9	18	468	.35		10
04/12/08	1703	76.18	10.5	2990	3000	6.7	6.6	17	447	.79	.005 U	18
09/19/08	1620	76.25	10.5	2840	2665	6.6	6.8	20	426	.52		9
05/08/09	1735	76.29	11.0	2810	2683	6.8	6.0	20	382	.81	0	17

SL-3 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.002	2.4	.005 U	.005 U	.02 U	.05 U	.02 U	.05 U	.004 U	.0002 U	.02 U	.005	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	2.45	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
01/05/94	.01 J	.005 J	2.3	.011 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.04 J	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.008	.005 U	2.2	.015	.0005 U	.002 U	.005 J	.002 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.005 F	.005 U	1.94	.002 U	.0005 U	.002 U	.005 J	.009 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 U
06/21/95	.004 J	.005 U	2.32	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.04
12/20/95	.002 U		1.89	.002 U				.001 U	.05 U	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 J	2.4	.002 U	.005 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/25/96	.004 U	.005	1.79	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	2.49	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.04
09/13/97	.003 U		2.41	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.03
05/30/98	.003 U	.005 J	2.63	.001 U	.0001 U	.001 U	.001	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
12/12/98	.003 U		2.6	.001 U				.001	.05 U	.003 U		.02 J				.05 U	.02 J
05/21/99	.003 U	.005 J	2.87	.001 U	.0001 U	.001 U	.002 U	.001 J	.06	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
09/23/99	.003 J		3.11	.001 U				.001 J	.05 U	.003 U		.02 U				.05 J	.02 U
05/26/00	.003 J	.005 J	3.28	.001 U	.0001 J	.009	.002	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 J	.02
11/17/00	.05 U		3.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 J
04/27/01	.05 U	.005 J	3.9	.001 U	.001 U	.01 U	.01 U	.01	.03 F	.01 U	.001 U	.02	.005 J	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		4.0	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01 U
04/26/02	.05 U	.005 J	3.3	.001 U	.001 U	.01 U	.01 U	.01 U	.04	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		4.0	.001 U				.01 U	.03 U	.01 U		.04				.1 U	.01
05/30/03	.05 U	.005 U	4.1	.001 U	.001 U	.01 U	.01 U	.02	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		3.8	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01
06/05/04	.05 U	.005 U	3.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		3.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	4.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.005 U	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		4.0	.001 U				.01 U	.04	.01 U		.01				.1 U	.01 U
04/22/06	.05 U	.005 U	3.6	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		3.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	3.4	.001 U	.001 U	.01	.01 U	.01 U	.03 U	.01 U	.001 U	.03	.006	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		3.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/12/08	.005 U	.005 U	3.2	.001 U	.001 U	.01	.01 U	.01 U	.04	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/19/08	.005 U		3.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/08/09	.005 U	.005 U	2.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-3 **TRACE METALS**

SL-3 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	3	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	3	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	2	1 J	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
05/30/98	20 B	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/17/00	20 U	20 U	1.0	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	3.5	1 U	1 U	1 U
04/27/01	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
10/27/01	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
04/26/02	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U
10/25/02	20 U	20 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	2.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	2.2	1 U	1 U	1 U
10/03/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1.9	1 U	1 U	1 U
06/0504	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.2	1 U	1 U	1 U
09/09/05	20 U	20 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/22/06	20 U	20 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
10/09/06	20 U	20 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
10/12/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 U

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	8	1	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	13	1 U	2 U	1 U	1	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	4	4	2 U	1 U	1 J	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	4	3	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	10	4	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	3	5	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	3.4	**9.4**	1 U	1 J	**5.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	3.6	**9.7**	1 U	1 U	**7.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	3.3	**8.0**	1 U	1 J	**6.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	2.5	**6.2**	1 U	1 U	**5.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	3.2	**5.0**	1 U	1 U	**5.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	2.9	**6.4**	1 U	1 U	**7.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	3.9	**5.7**	1 U	1 U	**7.6**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
06/0504	1 U	1 U	1 U	1 U	3.3	**4.8**	1 J	1 U	**7.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	4.6	**2.8**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	4.1	**4.4**	1 U	1 U	**5.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**4.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	3.4	**3.4**	1 U	1 U	**3.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	3.8	**3.7**	1 U	1 U	**4.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	2.6	**3.7**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	4.5	**3.2**	1 U	1 U	**3.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3 **RICHLAND COUNTY LANDFILL # 102**

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/12/08	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**3.7**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	**3.6**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/08/09	1 U	1 U	1 U	1 U	3.3	**3.1**	1 U	1 U	**2.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3 **ORGANICS - TABLE ONE LIST**

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	**15**	1 U	1 U	2 U	3	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	**32**	1 U	1 U	1 U	3	1 U	1 U	1 U	1	3	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	**31**	1 U	1 U	1 U	3	1 U	3	1 U	1 U	3	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	**15**	1 U	1 U	1 U	3	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	**8**	1 U	1 U	1 U	2	1 U	2	1 U	1 U	2	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	**14**	1 U	1 U	1 U	2	1 J	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	**13**	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	**25 X**	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	**26**	1 U	1 U	1 U	3	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	**48 X**	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	**32 B**	1 U	1 U	1 U	2	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	**28 B**	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	**23 B**	1 U	1 U	1 U	3	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	**9 B**	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	**40 B**	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	**59 B**	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	2.4	1 U	1 U	1 U	4.6	1 U	2.1	1 U	1 J	1.7	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1.1	1 U	1 U	1 U	**7.4**	1 U	2.8	1 U	1.2	2.1	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1.1	1 U	1 U	1 U	**7.0**	1 U	2.6	1 U	1.1	2.2	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	**6.6**	1 U	2.0	1 U	1 J	1.4	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.2	1 U	1 U	1 U	**5.8**	1 U	2.1	1 U	1 J	1.5	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.6	1 U	1 U	1 U	**8.5**	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1.4	1 U	1 U	1 U	**8.5**	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
06/0504	20 U	20 U	1.2	1 U	1 U	1 U	**6.2**	1 U	1.9	1 U	1.2	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	**4.0**	1 U	1.2	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	**7.4**	1 U	1.7	1 U	1.4	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	**7.8**	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	**5.8**	1 U	1.5	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	**7.6**	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	**7.4**	1 U	1.4	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	**8.5**	1 U	1.5	1 U	1.2	1 J	1 U	1 U	1 U	1 U

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	8.4	1 U	1.7	1 U	1.4	1.0	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.7	1 U	1.2	1.0	1 U	1 U	1 U	1 U
05/08/09	20 U	20 U	1 J	1 U	1 U	1 U	6.2	1 U	1.3	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-3 **ORGANICS - TABLE ONE LIST**

SL-4

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
10/21/94	1330	77.29	10.0	1850	1407	7.1	7.2	57	189	12	.005 U	45
06/20/95	1615	76.96	9.5	2380	2170	7.0	7.0	66	246	5.09 F	.005 U	20 F
08/01/95	1500	76.91	11.0		2400		6.9					
12/20/95	1030	77.06	9.5	2450	2300	7.1	7.0	62	278	12		72 F
07/14/96	1500	77.33	11.0	2530	2700	6.9	6.8	75	489 F	16	.005 U	18
11/25/96	1220	77.49	6.0	2490	2800	7.0	6.9	84	268	12.6	.005 U	20
05/18/97	1030	77.47	9.5	2390	2800	6.9	7.3	78	277	13	.005 U	39
05/18/97 D				2160		7.0		78	270	13	.005 U	48
09/12/97	1650	77.40	10.5	2470	2800	6.9	7.0	81	262	9.7		17 F
05/30/98	1250	77.39	11.0	2500	2700	6.9	6.8	132	197	13.6		11
05/30/98 D				2430		7.0		134	207	13.6		13
12/12/98	1315	77.48	10.0	2490	2700	6.8	6.8	146	167	13.9	.005 M	32
05/21/99	1205	77.50	10.0	2490	2800	6.9	7.1	162	167	14	.005 M	61
09/23/99	1210	77.52	10.0	2550	2700	6.8	6.8	160	168	12.5		50
05/26/00	1840	77.60	10.0	2390	2800	6.9	6.8	212	197	12.0	.005 M	56 F
11/17/00	1200	77.72	9.0	2340	2900	7.2		200	188	12.0		
04/28/01	0845	77.75	10.5	2430	2800	6.9	7.5	220	192	10.8	.005 U	21
10/27/01	1155	77.52	9.5	2480	2800	6.9		221	197	10.4		
04/27/02	0950	77.42	10.0	2500	2800	7.0	6.5	167	211	11.4	.005 U	11
10/25/02	1810	77.54	8.5	2670	3000	7.2	6.1	146	226	11.7		21
05/30/03	1345	77.74	11.5	2720	3000	6.8	7.1	149	208	12.2	.005 U	20
10/03/03	1205	77.83	11.0	2440	3000	6.9	6.7	133	200	12.1		13
06/05/04	1000	77.78	12.0	2470	2800	6.9	6.4	181	181	12.4	.005 U	46
12/02/04	1435	77.83	9.5	2450	2800	6.7	6.8	172	186	11.4		19
05/13/05	1140	77.94	10.5	2470	2900	7.3	7.2	169	184	11.6	.005 U	15
09/09/05	1700	78.00	11.0	2400	2430	7.3	7.3	169	178	13.9		17
04/22/06	1740	78.13	13.0	2130	2445	7.1	7.5	167	1 U	13.5	.005 U	16
10/09/06	1640	78.22	10.5	2480	2430	7.0	7.4	176	162	19.1		17
04/21/07	1620	78.32	10.0	2490	2425	7.0	6.7	176	144	17.9	.005 U	16
10/12/07	1505	78.41	7.0	2480	2390	6.9	7.0	182	125	16.6		21

SL-4 PHSYICAL PARAMETERS, IONS, & NUTRIENTS

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/12/08	1817	78.51	10.0	2370	2383	7.0	6.9	199	119	17.7	.005 U	23
09/20/08	1020	78.59	11.0	2380	2365	6.9	6.0	222	105	14.1		18
9/20/DUP				2380		6.9		223	105	13.9		17
05/09/09	1200	78.74	10.5	2350	2314	7.1	6.2	270	94	13.9	.005 U	14

SL-4 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
10/21/94	.005 F	.005 U	.28	.002 U	.0005 U	.002 U	.005 J	.003 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/20/95	.002 U	.005 U	.21	.002 U	.0005 U	.002 U	.005 U	.002	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.05
12/20/95	.002 U		.12	.002 U				.001 U	.05 U	.002 U		.02 U				.05 U	.02 J
07/14/96	.004 U	.005 U	.22	.002 U	.003 F	.002 U	.005 U	.001	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/25/96	.002 U	.005 U	.17	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/18/97	.002 U	.005 U	.24	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.03
05/18/97 D	.002 U	.005 U	.24	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02
09/12/97	.003 U		.24	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.04
05/30/98	.003 U	.005 U	.24	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 J
05/30/98 D	.003 U	.005 U	.24	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
12/12/98	.003 U		.22	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02 J
05/21/99	.003 U	.005 U	.24	.001 U	.0001	.001 U	.002 J	.001	.55	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/23/99	.003 U		.18	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/26/00	.003 J	.005 J	.16	.001 U	.0001 J	.007	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 U	.02 U
11/17/00	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01
04/28/01	.05 U	.005 U	.2	.001 U	.001 J	.01 J	.01 U	.01	.03 F	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/27/02	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		.2	.001 U				.01 U	.03	.01 U		.03				.1 U	.01
05/30/03	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.007	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01
06/05/04	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03	.01 U	.001 U	.01	.009	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.06	.01 U	.001 U	.01	.006	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.007	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
04/12/08	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
9/20/DUP	.005 U		.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/09/09	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03	.01 U	.001 U	.01 U	.011	.005 U	.005 U	.1 U	.01 U

SL-4 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
10/21/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
11/25/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
05/18/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/18/97 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/30/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-4 ORGANICS - TABLE ONE LIST

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
10/21/94	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	5	1 U	4	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	4	1 U	4	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/18/97	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/18/97 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	4	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98 D	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	3	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 M	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	1 U	1 J	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 J	1.1	1 U	1 U	1.7	1 U	2.1	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1.0	1 U	1 U	1.7	1 U	2.2	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 J	1 U	1 U	1.2	1 U	1.5	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.5	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.8	1 U	1.9	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.8	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.4	1 U	1.4	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.3	1 U	1.4	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.2	1 U	1.6	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.4	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.2	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.1	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1.1	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
9/20/DUP	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/09/09	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
10/21/94	20 J	10 J	5 U	1 U	1 U	1 U	13	1 J	1	1 U	1 J	2	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 J	1 U	1 U	1 U	26	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 X	1 U	1 U	1 U	30	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 X	1 U	1 U	1 U	33	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	5 U	1 U	1 U	1 U	31	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
11/25/96 D	20 U	20 U	5 U	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/18/97	20 U	20 U	5 X	1 U	1 U	1 U	29	1 U	2	1 U	1	3	1 U	10 U	1 U	1 U
05/18/97 D	20 U	20 U	5 X	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 B	1 U	1 U	1 U	34	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 B	1 U	1 U	1 U	39	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
05/30/98 D	20 U	20 U	5 B	1 U	1 U	1 U	38	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	36	1 U	2	1 U	1	2	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 B	1 U	1 U	1 U	27	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 B	1 U	1 U	1 U	34	1 U	1 U	1 U	1	1	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	5 B	1 U	1 U	1 U	30	1 U	1	1 U	1 J	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1.1	1 U	1 U	1 U	32	1 U	1.2	1 U	1.1	1 J	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 J	1 U	1 U	1 U	34	1 U	1.3	1 U	1.2	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 J	1 U	1 U	1 U	28	1 U	1.1	1 U	1.0	1 J	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.1	1 U	1 U	1 U	31	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.0	1 U	1 U	1 U	32	1 U	1 J	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	23	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	33	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	25	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	20	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	28	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	22	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-4

ORGANICS - TABLE ONE LIST

SL-5

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
11/03/94	0900	83.03	5.0	957	734	7.5		73	20	.92	.005 U	30
06/20/95	1240	83.51	9.5	1020	803	7.4	7.1	29	15	.63 F	.005 U	57 F
08/01/95	1400	83.50	11.5		950		6.9					
12/20/95	1215	83.63	9.5	1130	950	7.5	7.2	44	20	1.19		34 F
07/13/96	1930	83.50	10.5	1050	1090	7.3	7.2	32	104 F	.95	.005 U	27
11/23/96	1445	84.11	7.0	989	1090	7.5	7.4	30	17	.60	.005 U	33
05/19/97	0950	84.02	10.0	996	1200	7.3	7.6	51	19	1.4	.005 U	57
09/12/97	1250	83.95	11.0	1150	1190	7.3	7.3	72	23	1.35		32 F
09/12/97 D				1140		7.3		63	23	1.17		63 F
05/31/98	1530	83.80	12.0	896	980	7.5	7.2	22	17	.47		25
12/12/98	1500	83.94	10.5	811	900	7.4	7.3	28	16	.88	.005 M	9
05/22/99	1050	84.95	10.0	901	1000	7.5	7.1	27	16	1.39	.005 M	44
09/24/99	1155	84.00	11.0	902	1100	7.3	7.3	21	286 R	1.01		33
05/27/00	0915	84.09	10.5	783	850	7.4	7.3	28	12	.54	.005 M	19 F
11/17/00	1345	84.22	9.0	726	830	7.7		23	11	.53		
04/28/01	1050	84.14	11.0	877	990	7.3	7.5	23	16	1.04	.005 U	21
10/27/01	1330	83.97	10.5	992	1010	7.3		34	18	1.11		
04/27/02	1135	83.78	10.0	826	890	7.4	7.4	28	12	.29	.005 U	12
10/26/02	0940	83.96	9.5	832	870	7.4	7.4	25	11	.59		13
05/30/03	1740	84.22	12.0	931	940	7.2	7.5	42	12	1.19	.005 U	5
10/03/03	1450	84.33	12.0	866	990	7.2	7.0	61	12	1.32		4
06/05/04	1500	84.16	13.0	882	970	7.4	7.3	47	13	1.05	.005 U	25
12/03/04	1245	84.33	9.5	786	800	7.1	7.2	31	11	.59		9
05/14/05	1045	84.47	10.5	795	850	7.5	7.4	3	1 U	.64	.005 U	8
09/10/05	0900	84.52	10.5	795	790	7.5	7.2	28	11	.68		11
04/22/06	1610	84.69	13.0	704	759	7.6	7.4	27	9	.61	.005 U	7
10/09/06	1515	84.74	10.5	791	761	7.4	7.0	26	10	.64		6
04/21/07	1505	84.86	10.0	763	732	7.4	7.2	22	9	.50	.005 U	9
10/13/07	1200	84.94	10.0	737	722	7.2	7.3	21	8	.43		6

SL-5 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/13/08	1400	85.03	10.5	683	696	7.4	7.4	19	7	.40	.005 U	10
09/20/08	1140	85.12	11.0	685	632	7.3	6.9	25	7	.40		11
05/09/09	1315	85.27	10.5	675	654	7.4	6.6	24	6	.41	.005 U	3

SL-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-5 **RICHLAND COUNTY LANDFILL # 102**

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
11/03/94	.002 F	.005 U	.20	.002 U	.0005 U	.002 U	.002 U	.009 F	.40	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/20/95	.002 U	.005 U	.37	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 J	.03
12/20/95	.002 U		.37	.002 U				.001 U	.05 J	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 U	.40	.002 U	.011 F	.002 U	.005 U	.001 U	.03	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/23/96	.002 U	.005 U	.32	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/19/97	.002 U	.005 U	.45	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.09
09/12/97	.003 U		.49	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.03
09/12/97 D	.003 U		.49	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.03
05/31/98	.003 U	.005 U	.37	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 J
12/12/98	.003 U		.34	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.02 U
05/22/99	.003 U	.005 U	.38	.001 U	.0001 U	.001 U	.002 U	.001 J	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/24/99	.003 U		.35	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.29	.001 U	.0001 J	.005 J	.002 J	.005 U	.05 J	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 U	.02 J
11/17/00	.05 U		.3	.001 U				.01 U	.07	.01 U		.01 U				.1 U	.01 J
04/28/01	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.04 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.5	.001 U				.01 U	.07	.01 U		.01 J				.1 U	.01 U
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.3	.001 U				.01 U	.09	.01 U		.01 U				.1 U	.01
05/30/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.08	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.4	.001 U				.01 U	.07	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.4	.001 U				.01 U	.08	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.3	.001 U				.01 U	.05	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.3	.001 U				.01 U	.05	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.02
10/13/07	.05 U		.3	.001 U				.01 U	.06	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.08	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.3	.001 U				.01 U	.08	.01 U		.01 U				.1 U	.01 U
05/09/09	.005 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.06	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-5 **TRACE METALS**

SL-5 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
11/03/94	20 X	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 J	1 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/19/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
09/12/97 D	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-5

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
11/03/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/19/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97 D	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/09/09	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-5

ORGANICS - TABLE ONE LIST

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
11/03/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/19/97	20 U	20 U	5 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/09/09	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-5 ORGANICS - TABLE ONE LIST

ENERGY LABORATORIES

ENERGY LABORATORIES, INC. * 1120 S 27th St * PO Box 30916 * Billings, MT 59107-0916
Toll Free 800.735.4489 * 406.252.6325 * FAX 406.252.6069 * eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/08/09 13:40
Lab ID:	B09051022-003	**DateReceived:**	05/12/09
Client Sample ID:	Lamphir	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.8	s.u.		0.1		A4500-H B	05/12/09 15:46 / nlh
Conductivity	603	umhos/cm		1		A2510 B	05/12/09 15:48 / nlh
INORGANICS							
Chloride	14	mg/L		1		E300.0	05/16/09 00:34 / kh
Sulfate	20	mg/L		1		E300.0	05/16/09 00:34 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	05/13/09 12:07 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	4	mg/L		1		E410.4	05/13/09 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.10	mg/L		0.05		E353.2	05/12/09 16:21 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/15/09 05:08 / jjw
Arsenic	ND	mg/L		0.005		SW6020	05/14/09 05:10 / aje
Barium	0.2	mg/L		0.1		SW6020	05/14/09 05:10 / aje
Beryllium	ND	mg/L		0.001		SW6020	05/14/09 05:10 / aje
Cadmium	0.001	mg/L		0.001		SW6020	05/14/09 05:10 / aje
Chromium	ND	mg/L		0.01		SW6020	05/14/09 05:10 / aje
Cobalt	ND	mg/L		0.01		SW6020	05/14/09 05:10 / aje
Copper	0.05	mg/L		0.01		SW6020	05/14/09 05:10 / aje
Iron	0.07	mg/L		0.03		SW6020	05/14/09 05:10 / aje
Lead	ND	mg/L		0.01		SW6020	05/14/09 05:10 / aje
Mercury	ND	mg/L		0.001		SW7470A	05/13/09 11:45 / jjw
Nickel	ND	mg/L		0.01		SW6020	05/14/09 05:10 / aje
Selenium	ND	mg/L		0.005		SW6020	05/14/09 05:10 / aje
Silver	ND	mg/L		0.005		SW6020	05/14/09 05:10 / aje
Thallium	ND	mg/L		0.005		SW6020	05/14/09 05:10 / aje
Vanadium	ND	mg/L		0.1		SW6020	05/14/09 05:10 / aje
Zinc	0.99	mg/L		0.01		SW6020	05/14/09 05:10 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/13/09 15:35 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	05/13/09 15:35 / sbd
Benzene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-003
Client Sample ID: Lamphir

Report Date: 06/01/09
Collection Date: 05/08/09 13:40
DateReceived: 05/12/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	05/13/09 15:35 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/13/09 15:35 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	05/13/09 15:35 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Styrene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Toluene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/13/09 15:35 / sbd
Surr: 1,2-Dichloroethane-d4	85.0	%REC		70-130		SW8260B	05/13/09 15:35 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-003
Client Sample ID: Lamphir

Report Date: 06/01/09
Collection Date: 05/08/09 13:40
DateReceived: 05/12/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	91.0	%REC			77-126	SW8260B	05/13/09 15:35 / sbd
Surr: p-Bromofluorobenzene	96.0	%REC			76-127	SW8260B	05/13/09 15:35 / sbd
Surr: Toluene-d8	92.0	%REC			79-122	SW8260B	05/13/09 15:35 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-001
Client Sample ID: S-5

Report Date: 06/01/09
Collection Date: 05/08/09 11:45
DateReceived: 05/12/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		A4500-H B	05/12/09 15:43 / nlh
Conductivity	399	umhos/cm		1		A2510 B	05/12/09 15:43 / nlh
INORGANICS							
Chloride	6	mg/L		1		E300.0	05/16/09 00:11 / kh
Sulfate	20	mg/L		1		E300.0	05/16/09 00:11 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	05/13/09 12:03 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	5	mg/L		1		E410.4	05/13/09 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.54	mg/L		0.05		E353.2	05/12/09 16:17 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/15/09 04:17 / jjw
Arsenic	ND	mg/L		0.005		SW6020	05/24/09 16:20 / aje
Barium	0.3	mg/L		0.1		SW6020	05/24/09 16:20 / aje
Beryllium	ND	mg/L		0.001		SW6020	05/24/09 16:20 / aje
Cadmium	0.001	mg/L		0.001		SW6020	05/24/09 16:20 / aje
Chromium	ND	mg/L		0.01		SW6020	05/24/09 16:20 / aje
Cobalt	ND	mg/L		0.01		SW6020	05/24/09 16:20 / aje
Copper	ND	mg/L		0.01		SW6020	05/15/09 04:17 / jjw
Iron	ND	mg/L		0.03		SW6020	05/24/09 16:20 / aje
Lead	ND	mg/L		0.01		SW6020	05/24/09 16:20 / aje
Mercury	ND	mg/L		0.001		SW7470A	05/13/09 11:33 / jjw
Nickel	ND	mg/L		0.01		SW6020	05/24/09 16:20 / aje
Selenium	ND	mg/L		0.005		SW6020	05/24/09 16:20 / aje
Silver	ND	mg/L		0.005		SW6020	05/24/09 16:20 / aje
Thallium	ND	mg/L		0.005		SW6020	05/24/09 16:20 / aje
Vanadium	ND	mg/L		0.1		SW6020	05/24/09 16:20 / aje
Zinc	ND	mg/L		0.01		SW6020	05/15/09 04:17 / jjw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/13/09 14:59 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	05/13/09 14:59 / sbd
Benzene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-001
Client Sample ID: S-5

Report Date: 06/01/09
Collection Date: 05/08/09 11:45
DateReceived: 05/12/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	05/13/09 14:59 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/13/09 14:59 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	05/13/09 14:59 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Styrene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Toluene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/13/09 14:59 / sbd
Surr: 1,2-Dichloroethane-d4	87.0	%REC		70-130		SW8260B	05/13/09 14:59 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/08/09 11:45
Lab ID:	B09051022-001	**DateReceived:**	05/12/09
Client Sample ID:	S-5	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	93.0	%REC			77-126	SW8260B	05/13/09 14:59 / sbd
Surr: p-Bromofluorobenzene	96.0	%REC			76-127	SW8260B	05/13/09 14:59 / sbd
Surr: Toluene-d8	87.0	%REC			79-122	SW8260B	05/13/09 14:59 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-002
Client Sample ID: S-3

Report Date: 06/01/09
Collection Date: 05/08/09 13:10
DateReceived: 05/12/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.2	s.u.		0.1		A4500-H B	05/12/09 15:44 / nlh
Conductivity	1130	umhos/cm		1		A2510 B	05/12/09 15:44 / nlh
INORGANICS							
Chloride	87	mg/L		1		E300.0	05/16/09 00:22 / kh
Sulfate	207	mg/L		1		E300.0	05/16/09 00:22 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	05/13/09 12:05 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	9	mg/L		1		E410.4	05/13/09 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	05/12/09 16:20 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/15/09 05:01 / jjw
Arsenic	ND	mg/L		0.005		SW6020	05/14/09 05:03 / aje
Barium	0.1	mg/L		0.1		SW6020	05/15/09 05:01 / jjw
Beryllium	ND	mg/L		0.001		SW6020	05/14/09 05:03 / aje
Cadmium	ND	mg/L		0.001		SW6020	05/15/09 05:01 / jjw
Chromium	ND	mg/L		0.01		SW6020	05/14/09 05:03 / aje
Cobalt	ND	mg/L		0.01		SW6020	05/14/09 05:03 / aje
Copper	ND	mg/L		0.01		SW6020	05/14/09 05:03 / aje
Iron	0.13	mg/L		0.03		SW6020	05/14/09 05:03 / aje
Lead	ND	mg/L		0.01		SW6020	05/14/09 05:03 / aje
Mercury	ND	mg/L		0.001		SW7470A	05/13/09 11:42 / jjw
Nickel	ND	mg/L		0.01		SW6020	05/14/09 05:03 / aje
Selenium	ND	mg/L		0.005		SW6020	05/14/09 05:03 / aje
Silver	ND	mg/L		0.005		SW6020	05/14/09 05:03 / aje
Thallium	ND	mg/L		0.005		SW6020	05/14/09 05:03 / aje
Vanadium	ND	mg/L		0.1		SW6020	05/14/09 05:03 / aje
Zinc	ND	mg/L		0.01		SW6020	05/14/09 05:03 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	15	ug/L	J	20		SW8260B	05/13/09 14:23 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	05/13/09 14:23 / sbd
Benzene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/08/09 13:10
Lab ID:	B09051022-002	**DateReceived:**	05/12/09
Client Sample ID:	S-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	05/13/09 14:23 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/13/09 14:23 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	05/13/09 14:23 / sbd
Methylene chloride	0.24	ug/L	J	1.0		SW8260B	05/13/09 14:23 / sbd
Styrene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Toluene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/13/09 14:23 / sbd
Surr: 1,2-Dichloroethane-d4	87.0	%REC		70-130		SW8260B	05/13/09 14:23 / sbd

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.
	J - Estimated value. The analyte was present but less than the reporting limit.	

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/08/09 13:10
Lab ID:	B09051022-002	**DateReceived:**	05/12/09
Client Sample ID:	S-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	91.0	%REC		77-126		SW8260B	05/13/09 14:23 / sbd
Surr: p-Bromofluorobenzene	96.0	%REC		76-127		SW8260B	05/13/09 14:23 / sbd
Surr: Toluene-d8	92.0	%REC		79-122		SW8260B	05/13/09 14:23 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-004
Client Sample ID: SL-1

Report Date: 06/01/09
Collection Date: 05/08/09 15:35
DateReceived: 05/12/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.6	s.u.		0.1		A4500-H B	05/12/09 15:51 / nlh
Conductivity	877	umhos/cm		1		A2510 B	05/12/09 15:54 / nlh
INORGANICS							
Chloride	5	mg/L		1		E300.0	05/16/09 00:46 / kh
Sulfate	26	mg/L		1		E300.0	05/16/09 00:46 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	05/13/09 12:08 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	16	mg/L		1		E410.4	05/13/09 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	13.1	mg/L		0.05		E353.2	05/12/09 16:23 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/15/09 05:16 / jjw
Arsenic	ND	mg/L		0.005		SW6020	05/14/09 05:17 / aje
Barium	1.0	mg/L		0.1		SW6020	05/14/09 05:17 / aje
Beryllium	ND	mg/L		0.001		SW6020	05/14/09 05:17 / aje
Cadmium	ND	mg/L		0.001		SW6020	05/14/09 05:17 / aje
Chromium	ND	mg/L		0.01		SW6020	05/14/09 05:17 / aje
Cobalt	ND	mg/L		0.01		SW6020	05/14/09 05:17 / aje
Copper	ND	mg/L		0.01		SW6020	05/14/09 05:17 / aje
Iron	ND	mg/L		0.03		SW6020	05/14/09 05:17 / aje
Lead	ND	mg/L		0.01		SW6020	05/14/09 05:17 / aje
Mercury	ND	mg/L		0.001		SW7470A	05/13/09 11:47 / jjw
Nickel	ND	mg/L		0.01		SW6020	05/14/09 05:17 / aje
Selenium	ND	mg/L		0.005		SW6020	05/14/09 05:17 / aje
Silver	ND	mg/L		0.005		SW6020	05/14/09 05:17 / aje
Thallium	ND	mg/L		0.005		SW6020	05/14/09 05:17 / aje
Vanadium	ND	mg/L		0.1		SW6020	05/14/09 05:17 / aje
Zinc	ND	mg/L		0.01		SW6020	05/14/09 05:17 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/13/09 16:12 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	05/13/09 16:12 / sbd
Benzene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-004
Client Sample ID: SL-1

Report Date: 06/01/09
Collection Date: 05/08/09 15:35
DateReceived: 05/12/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,4-Dichlorobenzene	0.86	ug/L	J	1.0		SW8260B	05/13/09 16:12 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
cis-1,2-Dichloroethene	0.34	ug/L	J	1.0		SW8260B	05/13/09 16:12 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	05/13/09 16:12 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/13/09 16:12 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	05/13/09 16:12 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Styrene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Toluene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/13/09 16:12 / sbd
Surr: 1,2-Dichloroethane-d4	89.0	%REC		70-130		SW8260B	05/13/09 16:12 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/08/09 15:35
Lab ID:	B09051022-004	**DateReceived:**	05/12/09
Client Sample ID:	SL-1	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	92.0	%REC		77-126		SW8260B	05/13/09 16:12 / sbd
Surr: p-Bromofluorobenzene	92.0	%REC		76-127		SW8260B	05/13/09 16:12 / sbd
Surr: Toluene-d8	91.0	%REC		79-122		SW8260B	05/13/09 16:12 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-005
Client Sample ID: SL-2

Report Date: 06/01/09
Collection Date: 05/08/09 16:30
DateReceived: 05/12/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.8	s.u.		0.1		A4500-H B	05/12/09 15:55 / nlh
Conductivity	1270	umhos/cm		1		A2510 B	05/12/09 15:55 / nlh
INORGANICS							
Chloride	50	mg/L		1		E300.0	05/16/09 00:57 / kh
Sulfate	97	mg/L		1		E300.0	05/16/09 00:57 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	05/13/09 12:10 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	7	mg/L		1		E410.4	05/13/09 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	5.41	mg/L		0.05		E353.2	05/12/09 16:24 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/15/09 05:23 / jjw
Arsenic	ND	mg/L		0.005		SW6020	05/14/09 05:24 / aje
Barium	0.4	mg/L		0.1		SW6020	05/14/09 05:24 / aje
Beryllium	ND	mg/L		0.001		SW6020	05/14/09 05:24 / aje
Cadmium	ND	mg/L		0.001		SW6020	05/14/09 05:24 / aje
Chromium	ND	mg/L		0.01		SW6020	05/14/09 05:24 / aje
Cobalt	ND	mg/L		0.01		SW6020	05/14/09 05:24 / aje
Copper	ND	mg/L		0.01		SW6020	05/14/09 05:24 / aje
Iron	ND	mg/L		0.03		SW6020	05/14/09 05:24 / aje
Lead	ND	mg/L		0.01		SW6020	05/14/09 05:24 / aje
Mercury	ND	mg/L		0.001		SW7470A	05/13/09 11:49 / jjw
Nickel	ND	mg/L		0.01		SW6020	05/14/09 05:24 / aje
Selenium	ND	mg/L		0.005		SW6020	05/14/09 05:24 / aje
Silver	ND	mg/L		0.005		SW6020	05/14/09 05:24 / aje
Thallium	ND	mg/L		0.005		SW6020	05/14/09 05:24 / aje
Vanadium	ND	mg/L		0.1		SW6020	05/14/09 05:24 / aje
Zinc	ND	mg/L		0.01		SW6020	05/14/09 05:24 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/13/09 16:49 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	05/13/09 16:49 / sbd
Benzene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/08/09 16:30
Lab ID:	B09051022-005	**DateReceived:**	05/12/09
Client Sample ID:	SL-2	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Chloroform	1.3	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Dichlorodifluoromethane	0.29	ug/L	J	1.0		SW8260B	05/13/09 16:49 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	05/13/09 16:49 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/13/09 16:49 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	05/13/09 16:49 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Styrene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Tetrachloroethene	4.0	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Toluene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
1,1,1-Trichloroethane	0.44	ug/L	J	1.0		SW8260B	05/13/09 16:49 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Trichlorofluoromethane	0.27	ug/L	J	1.0		SW8260B	05/13/09 16:49 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/13/09 16:49 / sbd
Surr: 1,2-Dichloroethane-d4	90.0	%REC		70-130		SW8260B	05/13/09 16:49 / sbd

Report Definitions:		
	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.
	J - Estimated value. The analyte was present but less than the reporting limit.	

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-005
Client Sample ID: SL-2

Report Date: 06/01/09
Collection Date: 05/08/09 16:30
DateReceived: 05/12/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	93.0	%REC			77-126	SW8260B	05/13/09 16:49 / sbd
Surr: p-Bromofluorobenzene	95.0	%REC			76-127	SW8260B	05/13/09 16:49 / sbd
Surr: Toluene-d8	88.0	%REC			79-122	SW8260B	05/13/09 16:49 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/08/09 17:35
Lab ID:	B09051022-006	**DateReceived:**	05/12/09
Client Sample ID:	SL-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.8	s.u.		0.1		A4500-H B	05/12/09 15:57 / nlh
Conductivity	2810	umhos/cm		1		A2510 B	05/12/09 15:56 / nlh
INORGANICS							
Chloride	382	mg/L		1		E300.0	05/16/09 01:09 / kh
Sulfate	20	mg/L		1		E300.0	05/16/09 01:09 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	05/13/09 13:04 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	17	mg/L		1		E410.4	05/13/09 08:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.81	mg/L		0.05		E353.2	05/12/09 16:25 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/15/09 05:30 / jjw
Arsenic	ND	mg/L		0.005		SW6020	05/14/09 05:31 / aje
Barium	2.7	mg/L		0.1		SW6020	05/14/09 05:31 / aje
Beryllium	ND	mg/L		0.001		SW6020	05/14/09 05:31 / aje
Cadmium	ND	mg/L		0.001		SW6020	05/14/09 05:31 / aje
Chromium	ND	mg/L		0.01		SW6020	05/14/09 05:31 / aje
Cobalt	ND	mg/L		0.01		SW6020	05/14/09 05:31 / aje
Copper	ND	mg/L		0.01		SW6020	05/14/09 05:31 / aje
Iron	ND	mg/L		0.03		SW6020	05/14/09 05:31 / aje
Lead	ND	mg/L		0.01		SW6020	05/14/09 05:31 / aje
Mercury	ND	mg/L		0.001		SW7470A	05/13/09 11:52 / jjw
Nickel	ND	mg/L		0.01		SW6020	05/14/09 05:31 / aje
Selenium	ND	mg/L		0.005		SW6020	05/14/09 05:31 / aje
Silver	ND	mg/L		0.005		SW6020	05/14/09 05:31 / aje
Thallium	ND	mg/L		0.005		SW6020	05/14/09 05:31 / aje
Vanadium	ND	mg/L		0.1		SW6020	05/14/09 05:31 / aje
Zinc	ND	mg/L		0.01		SW6020	05/14/09 05:31 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/13/09 17:28 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	05/13/09 17:28 / sbd
Benzene	0.52	ug/L	J	1.0		SW8260B	05/13/09 17:28 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-006
Client Sample ID: SL-3

Report Date: 06/01/09
Collection Date: 05/08/09 17:35
DateReceived: 05/12/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Chloroform	0.95	ug/L	J	1.0		SW8260B	05/13/09 17:28 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Dichlorodifluoromethane	3.3	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,1-Dichloroethane	3.1	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
cis-1,2-Dichloroethene	2.5	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,2-Dichloropropane	0.49	ug/L	J	1.0		SW8260B	05/13/09 17:28 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	05/13/09 17:28 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/13/09 17:28 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	05/13/09 17:28 / sbd
Methylene chloride	0.28	ug/L	J	1.0		SW8260B	05/13/09 17:28 / sbd
Styrene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Tetrachloroethene	6.2	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Toluene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,1,1-Trichloroethane	1.3	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Trichloroethene	0.98	ug/L	J	1.0		SW8260B	05/13/09 17:28 / sbd
Trichlorofluoromethane	0.92	ug/L	J	1.0		SW8260B	05/13/09 17:28 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/13/09 17:28 / sbd
Surr: 1,2-Dichloroethane-d4	90.0	%REC		70-130		SW8260B	05/13/09 17:28 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/08/09 17:35
Lab ID:	B09051022-006	**DateReceived:**	05/12/09
Client Sample ID:	SL-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	94.0	%REC		77-126		SW8260B	05/13/09 17:28 / sbd
Surr: p-Bromofluorobenzene	96.0	%REC		76-127		SW8260B	05/13/09 17:28 / sbd
Surr: Toluene-d8	90.0	%REC		79-122		SW8260B	05/13/09 17:28 / sbd

Report Definitions:

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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/09/09 12:00
Lab ID:	B09051022-007	**DateReceived:**	05/12/09
Client Sample ID:	SL-4	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.1	s.u.		0.1		A4500-H B	05/12/09 15:59 / nlh
Conductivity	2350	umhos/cm		1		A2510 B	05/12/09 15:59 / nlh
INORGANICS							
Chloride	94	mg/L		1		E300.0	05/16/09 01:20 / kh
Sulfate	270	mg/L		1		E300.0	05/16/09 01:20 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	05/13/09 13:06 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	14	mg/L		1		E410.4	05/14/09 10:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	13.9	mg/L		0.05		E353.2	05/12/09 16:26 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/15/09 05:37 / jjw
Arsenic	ND	mg/L		0.005		SW6020	05/14/09 05:38 / aje
Barium	0.1	mg/L		0.1		SW6020	05/14/09 05:38 / aje
Beryllium	ND	mg/L		0.001		SW6020	05/14/09 05:38 / aje
Cadmium	ND	mg/L		0.001		SW6020	05/14/09 05:38 / aje
Chromium	ND	mg/L		0.01		SW6020	05/14/09 05:38 / aje
Cobalt	ND	mg/L		0.01		SW6020	05/14/09 05:38 / aje
Copper	ND	mg/L		0.01		SW6020	05/14/09 05:38 / aje
Iron	0.03	mg/L		0.03		SW6020	05/14/09 05:38 / aje
Lead	ND	mg/L		0.01		SW6020	05/14/09 05:38 / aje
Mercury	ND	mg/L		0.001		SW7470A	05/13/09 11:59 / jjw
Nickel	ND	mg/L		0.01		SW6020	05/14/09 05:38 / aje
Selenium	0.011	mg/L		0.005		SW6020	05/14/09 05:38 / aje
Silver	ND	mg/L		0.005		SW6020	05/14/09 05:38 / aje
Thallium	ND	mg/L		0.005		SW6020	05/14/09 05:38 / aje
Vanadium	ND	mg/L		0.1		SW6020	05/14/09 05:38 / aje
Zinc	ND	mg/L		0.01		SW6020	05/14/09 05:38 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/13/09 18:04 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	05/13/09 18:04 / sbd
Benzene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/09/09 12:00
Lab ID:	B09051022-007	**DateReceived:**	05/12/09
Client Sample ID:	SL-4	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Chloroform	0.65	ug/L	J	1.0		SW8260B	05/13/09 18:04 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Dichlorodifluoromethane	0.34	ug/L	J	1.0		SW8260B	05/13/09 18:04 / sbd
1,1-Dichloroethane	0.27	ug/L	J	1.0		SW8260B	05/13/09 18:04 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
cis-1,2-Dichloroethene	0.41	ug/L	J	1.0		SW8260B	05/13/09 18:04 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
1,2-Dichloropropane	0.69	ug/L	J	1.0		SW8260B	05/13/09 18:04 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	05/13/09 18:04 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/13/09 18:04 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	05/13/09 18:04 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Styrene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Tetrachloroethene	21	ug/L		5.0		SW8260B	05/14/09 16:46 / sbd
Toluene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
1,1,1-Trichloroethane	0.28	ug/L	J	1.0		SW8260B	05/13/09 18:04 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Trichloroethene	0.58	ug/L	J	1.0		SW8260B	05/13/09 18:04 / sbd
Trichlorofluoromethane	0.36	ug/L	J	1.0		SW8260B	05/13/09 18:04 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/13/09 18:04 / sbd
Surr: 1,2-Dichloroethane-d4	89.0	%REC		70-130		SW8260B	05/13/09 18:04 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-007
Client Sample ID: SL-4

Report Date: 06/01/09
Collection Date: 05/09/09 12:00
DateReceived: 05/12/09
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	94.0	%REC		77-126		SW8260B	05/13/09 18:04 / sbd
Surr: p-Bromofluorobenzene	99.0	%REC		76-127		SW8260B	05/13/09 18:04 / sbd
Surr: Toluene-d8	93.0	%REC		79-122		SW8260B	05/13/09 18:04 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/09/09 13:15
Lab ID:	B09051022-008	**DateReceived:**	05/12/09
Client Sample ID:	SL-5	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		A4500-H B	05/12/09 16:06 / nlh
Conductivity	675	umhos/cm		1		A2510 B	05/12/09 16:05 / nlh
INORGANICS							
Chloride	6	mg/L		1		E300.0	05/16/09 01:55 / kh
Sulfate	24	mg/L		1		E300.0	05/16/09 01:55 / kh
Cyanide, Total	ND	mg/L		0.005		Kelada mod	05/13/09 13:07 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	3	mg/L		1		E410.4	05/14/09 10:00 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.41	mg/L		0.05		E353.2	05/12/09 16:27 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	05/15/09 05:45 / jjw
Arsenic	ND	mg/L		0.005		SW6020	05/14/09 05:45 / aje
Barium	0.3	mg/L		0.1		SW6020	05/14/09 05:45 / aje
Beryllium	ND	mg/L		0.001		SW6020	05/14/09 05:45 / aje
Cadmium	ND	mg/L		0.001		SW6020	05/14/09 05:45 / aje
Chromium	ND	mg/L		0.01		SW6020	05/14/09 05:45 / aje
Cobalt	ND	mg/L		0.01		SW6020	05/14/09 05:45 / aje
Copper	ND	mg/L		0.01		SW6020	05/14/09 05:45 / aje
Iron	0.06	mg/L		0.03		SW6020	05/14/09 05:45 / aje
Lead	ND	mg/L		0.01		SW6020	05/14/09 05:45 / aje
Mercury	ND	mg/L		0.001		SW7470A	05/13/09 12:06 / jjw
Nickel	ND	mg/L		0.01		SW6020	05/14/09 05:45 / aje
Selenium	ND	mg/L		0.005		SW6020	05/14/09 05:45 / aje
Silver	ND	mg/L		0.005		SW6020	05/14/09 05:45 / aje
Thallium	ND	mg/L		0.005		SW6020	05/14/09 05:45 / aje
Vanadium	ND	mg/L		0.1		SW6020	05/14/09 05:45 / aje
Zinc	ND	mg/L		0.01		SW6020	05/14/09 05:45 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/13/09 18:42 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	05/13/09 18:42 / sbd
Benzene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. * 1120 S 27th St * PO Box 30916 * Billings, MT 59107-0916
Toll Free 800.735.4489 * 406.252.6325 * FAX 406.252.6069 * eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/09/09 13:15
Lab ID:	B09051022-008	**DateReceived:**	05/12/09
Client Sample ID:	SL-5	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	05/13/09 18:42 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/13/09 18:42 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	05/13/09 18:42 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Styrene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Toluene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/13/09 18:42 / sbd
Surr: 1,2-Dichloroethane-d4	88.0	%REC		70-130		SW8260B	05/13/09 18:42 / sbd

Report Definitions:	RL - Analyte reporting limit. QCL - Quality control limit.	MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/09/09 13:15
Lab ID:	B09051022-008	**DateReceived:**	05/12/09
Client Sample ID:	SL-5	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Surr: Dibromofluoromethane	94.0	%REC		77-126		SW8260B	05/13/09 18:42 / sbd
Surr: p-Bromofluorobenzene	93.0	%REC		76-127		SW8260B	05/13/09 18:42 / sbd
Surr: Toluene-d8	90.0	%REC		79-122		SW8260B	05/13/09 18:42 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-009
Client Sample ID: Trip Blank 1 Lot043009 B-TS SHP0243

Report Date: 06/01/09
Collection Date: 05/09/09 12:00
DateReceived: 05/12/09
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/13/09 19:20 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	05/13/09 19:20 / sbd
Benzene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	05/13/09 19:20 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/13/09 19:20 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	05/13/09 19:20 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Styrene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Toluene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/09/09 12:00
Lab ID:	B09051022-009	**DateReceived:**	05/12/09
Client Sample ID:	Trip Blank 1 Lot043009 B-TS SHP0243	**Matrix:**	Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/13/09 19:20 / sbd
Surr: 1,2-Dichloroethane-d4	90.0	%REC		70-130		SW8260B	05/13/09 19:20 / sbd
Surr: Dibromofluoromethane	93.0	%REC		77-126		SW8260B	05/13/09 19:20 / sbd
Surr: p-Bromofluorobenzene	97.0	%REC		76-127		SW8260B	05/13/09 19:20 / sbd
Surr: Toluene-d8	90.0	%REC		79-122		SW8260B	05/13/09 19:20 / sbd

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: 102
Lab ID: B09051022-010
Client Sample ID: Trip Blank 2 Lot043009 B-TS SHP0243

Report Date: 06/01/09
Collection Date: 05/08/09 11:45
DateReceived: 05/12/09
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/13/09 19:58 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	05/13/09 19:58 / sbd
Benzene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	05/13/09 19:58 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/13/09 19:58 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	05/13/09 19:58 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Styrene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Toluene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	06/01/09
Project:	102	**Collection Date:**	05/08/09 11:45
Lab ID:	B09051022-010	**DateReceived:**	05/12/09
Client Sample ID:	Trip Blank 2 Lot043009 B-TS SHP0243	**Matrix:**	Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/13/09 19:58 / sbd
Surr: 1,2-Dichloroethane-d4	92.0	%REC		70-130		SW8260B	05/13/09 19:58 / sbd
Surr: Dibromofluoromethane	96.0	%REC		77-126		SW8260B	05/13/09 19:58 / sbd
Surr: p-Bromofluorobenzene	95.0	%REC		76-127		SW8260B	05/13/09 19:58 / sbd
Surr: Toluene-d8	90.0	%REC		79-122		SW8260B	05/13/09 19:58 / sbd

Report Definitions:	RL - Analyte reporting limit. QCL - Quality control limit.	MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2510 B**									Batch: PHSC090512
Sample ID: **PHC1081231G**	Laboratory Control Sample				Run: ORION555A_090512A				05/12/09 08:3
Conductivity	151	umhos/cm	1.0	101	90	110			
Sample ID: **PHC1090310A**	Laboratory Control Sample				Run: ORION555A_090512A				05/12/09 08:3
Conductivity	5000	umhos/cm	1.0	100	90	110			
Sample ID: **PHC1090430A**	Laboratory Control Sample				Run: ORION555A_090512A				05/12/09 08:3
Conductivity	20000	umhos/cm	1.0	100	90	110			
Sample ID: **B09051022-002ADUP**	Sample Duplicate				Run: ORION555A_090512A				05/12/09 15:
Conductivity	1130	umhos/cm	1.0				0.3	10	
Method: **A4500-H B**									Batch: PHSC09051
Sample ID: **PHC1090310B**	Laboratory Control Sample				Run: ORION555A_090512A				05/12/09 08:
pH	4.03	s.u.	0.10	101	97	103			
Sample ID: **PHC1080722E**	Laboratory Control Sample				Run: ORION555A_090512A				05/12/09 08:
pH	7.00	s.u.	0.10	100	98	102			
Sample ID: **B09051022-002ADUP**	Sample Duplicate				Run: ORION555A_090512A				05/12/09 15:
pH	7.26	s.u.	0.10				0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0						Analytical Run: IC202-B_09051			
Sample ID: ICV051509-11	Initial Calibration Verification Standard								05/15/09 13
Chloride	24.1	mg/L	1.0	96	90	110			
Sulfate	104	mg/L	1.0	104	90	110			
Method: E300.0									Batch: R1295
Sample ID: ICB051509-12	Method Blank				Run: IC202-B_090515A				05/15/09 13
Chloride	ND	mg/L	0.03						
Sulfate	ND	mg/L	0.06						
Sample ID: LFB051509-13	Laboratory Fortified Blank				Run: IC202-B_090515A				05/15/09 13
Chloride	23.1	mg/L	1.0	93	90	110			
Sulfate	102	mg/L	1.0	102	90	110			
Sample ID: B09051008-021AMS	Sample Matrix Spike				Run: IC202-B_090515A				05/15/09 22
Chloride	274	mg/L	1.0	102	90	110			
Sulfate	3810	mg/L	1.0	98	90	110			
Sample ID: B09051008-021AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_090515A				05/15/09 23
Chloride	274	mg/L	1.0	102	90	110	0	20	
Sulfate	3760	mg/L	1.0	94	90	110	1.1	20	
Sample ID: B09051022-007AMS	Sample Matrix Spike				Run: IC202-B_090515A				05/16/09 01
Chloride	122	mg/L	1.0	112	90	110			S
Sulfate	382	mg/L	1.0	112	90	110			S
Sample ID: B09051022-007AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_090515A				05/16/09 01
Chloride	123	mg/L	1.0	114	90	110	0.3	20	S
Sulfate	384	mg/L	1.0	113	90	110	0.4	20	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2									Analytical Run: FIA203-B_090512
Sample ID: ICV	Initial Calibration Verification Standard								05/12/09 12:0
Nitrogen, Nitrate+Nitrite as N	37.4	mg/L	0.050	106	90	110			
Method: E353.2									Batch: R1293
Sample ID: MBLK	Method Blank				Run: FIA203-B_090512A				05/12/09 12:
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA203-B_090512A				05/12/09 12:
Nitrogen, Nitrate+Nitrite as N	1.06	mg/L	0.050	108	90	110			
Sample ID: B09051022-001CMS	Sample Matrix Spike				Run: FIA203-B_090512A				05/12/09 16:
Nitrogen, Nitrate+Nitrite as N	1.57	mg/L	0.050	105	90	110			
Sample ID: B09051022-001CMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_090512A				05/12/09 16:
Nitrogen, Nitrate+Nitrite as N	1.58	mg/L	0.050	106	90	110	0.7	10	
Sample ID: B09051027-001AMS	Sample Matrix Spike				Run: FIA203-B_090512A				05/12/09 16:
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	103	90	110			
Sample ID: B09051027-001AMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_090512A				05/12/09 16:
Nitrogen, Nitrate+Nitrite as N	0.999	mg/L	0.050	102	90	110	1.2	10	
Method: E410.4									Batch: R1294
Sample ID: MB-R129406	Method Blank				Run: SPEC_090513B				05/13/09 08:
Oxygen Demand, Chemical (COD)	ND	mg/L	1						
Sample ID: LCS-R129406	Laboratory Control Sample				Run: SPEC_090513B				05/13/09 08:
Oxygen Demand, Chemical (COD)	114	mg/L	1.0	98	90	110			
Sample ID: B09051022-003CMS	Sample Matrix Spike				Run: SPEC_090513B				05/13/09 08:
Oxygen Demand, Chemical (COD)	27.2	mg/L	1.0	95	90	110			
Sample ID: B09051022-003CMSD	Sample Matrix Spike Duplicate				Run: SPEC_090513B				05/13/09 08:
Oxygen Demand, Chemical (COD)	27.7	mg/L	1.0	97	90	110	1.8	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: SPEC_090513B				05/13/09 08:
Oxygen Demand, Chemical (COD)	26.1	mg/L	1.0	107	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Batch: R1294
Sample ID: MB-R129480	Method Blank				Run: SPEC_090514C				05/14/09 10:
Oxygen Demand, Chemical (COD)	ND	mg/L	1						
Sample ID: LCS-R129480	Laboratory Control Sample				Run: SPEC_090514C				05/14/09 10:
Oxygen Demand, Chemical (COD)	116	mg/L	1.0	100	90	110			
Sample ID: B09051022-008CMS	Sample Matrix Spike				Run: SPEC_090514C				05/14/09 10:
Oxygen Demand, Chemical (COD)	27.6	mg/L	1.0	101	90	110			
Sample ID: B09051022-008CMSD	Sample Matrix Spike Duplicate				Run: SPEC_090514C				05/14/09 10:
Oxygen Demand, Chemical (COD)	28.7	mg/L	1.0	105	90	110	3.9	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: SPEC_090514C				05/14/09 10:
Oxygen Demand, Chemical (COD)	22.6	mg/L	1.0	93	90	110			
Method: Kelada mod						Analytical Run: AUTOAN201-B_09051			
Sample ID: ICV-1	Initial Calibration Verification Standard								05/13/09 11
Cyanide, Total	0.154	mg/L	0.0050	102	90	110			
Method: Kelada mod									Batch: R1293
Sample ID: LFB-2	Laboratory Fortified Blank				Run: AUTOAN201-B_090513A				05/13/09 11
Cyanide, Total	0.108	mg/L	0.0050	108	90	110			
Sample ID: MBLK-3	Method Blank				Run: AUTOAN201-B_090513A				05/13/09 11
Cyanide, Total	ND	mg/L	0.003						
Sample ID: B09050961-003EMS	Sample Matrix Spike				Run: AUTOAN201-B_090513A				05/13/09 11
Cyanide, Total	0.111	mg/L	0.0050	111	90	110			S
Sample ID: B09050961-003EMSD	Sample Matrix Spike Duplicate				Run: AUTOAN201-B_090513A				05/13/09 11
Cyanide, Total	0.113	mg/L	0.0050	113	90	110	1.6	10	S
Sample ID: B09050993-004DMS	Sample Matrix Spike				Run: AUTOAN201-B_090513A				05/13/09 12
Cyanide, Total	0.704	mg/L	0.017	103	90	110			
Sample ID: B09050993-004DMSD	Sample Matrix Spike Duplicate				Run: AUTOAN201-B_090513A				05/13/09 12
Cyanide, Total	0.725	mg/L	0.017	107	90	110	2.9	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Method: SW6020

Analytical Run: ICPMS204-B_090514

Sample ID: QCS-081021A,090401E,0 Initial Calibration Verification Standard 05/14/09 02:3

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Arsenic	0.0501	mg/L	0.0010	100	90	110			
Barium	0.0504	mg/L	0.0010	101	90	110			
Beryllium	0.0251	mg/L	0.0010	101	90	110			
Cadmium	0.0257	mg/L	0.0010	103	90	110			
Chromium	0.0493	mg/L	0.0010	99	90	110			
Cobalt	0.0508	mg/L	0.0010	102	90	110			
Copper	0.0521	mg/L	0.0010	104	90	110			
Iron	0.265	mg/L	0.0010	106	90	110			
Lead	0.0511	mg/L	0.0010	102	90	110			
Nickel	0.0519	mg/L	0.0010	104	90	110			
Selenium	0.0510	mg/L	0.0010	102	90	110			
Silver	0.0255	mg/L	0.0010	102	90	110			
Thallium	0.0510	mg/L	0.0010	102	90	110			
Vanadium	0.0495	mg/L	0.0010	99	90	110			
Zinc	0.0534	mg/L	0.0010	107	90	110			

Sample ID: ICSA-ME081125C Interference Check Sample A 05/14/09 02:

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Arsenic	5.94E-05	mg/L	0.0010						
Barium	0.000949	mg/L	0.0010						
Beryllium	1.04E-05	mg/L	0.0010						
Cadmium	0.000726	mg/L	0.0010						
Chromium	0.000693	mg/L	0.0010						
Cobalt	0.000211	mg/L	0.0010						
Copper	0.000167	mg/L	0.0010						
Iron	103	mg/L	0.0010	82					
Lead	5.26E-05	mg/L	0.0010						
Nickel	0.00447	mg/L	0.0010						
Selenium	4.09E-05	mg/L	0.0010						
Silver	7.43E-05	mg/L	0.0010						
Thallium	2.63E-05	mg/L	0.0010						
Vanadium	8.06E-05	mg/L	0.0010						
Zinc	0.000776	mg/L	0.0010						

Sample ID: ICSAB-ME081125C,0901 Interference Check Sample AB 05/14/09 02

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Arsenic	0.0112	mg/L	0.0010	112	70	130			
Barium	0.000947	mg/L	0.0010		0	0			
Beryllium	6.50E-06	mg/L	0.0010		0	0			
Cadmium	0.0109	mg/L	0.0010	109	70	130			
Chromium	0.0219	mg/L	0.0010	110	70	130			
Cobalt	0.0219	mg/L	0.0010	110	70	130			
Copper	0.0210	mg/L	0.0010	105	70	130			
Iron	105	mg/L	0.0010	105	70	130			
Lead	4.21E-05	mg/L	0.0010		0	0			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 05/29/09
Project: 102 **Work Order:** B09051022

Method: SW6020 Analytical Run: ICPMS204-B_09051

Sample ID: ICSAB-ME081125C,0901 Interference Check Sample AB 05/14/09 02:

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Nickel	0.0254	mg/L	0.0010	127	70	130			
Selenium	0.0104	mg/L	0.0010	104	70	130			
Silver	0.0207	mg/L	0.0010	103	70	130			
Thallium	3.82E-05	mg/L	0.0010		0	0			
Vanadium	0.0219	mg/L	0.0010	109	70	130			
Zinc	0.0112	mg/L	0.0010	112	70	130			

Method: SW6020 Batch: R1294

Sample ID: LRB Method Blank Run: ICPMS204-B_090514A 05/14/09 03:

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Arsenic	ND	mg/L	2E-05						
Barium	ND	mg/L	2E-05						
Beryllium	ND	mg/L	2E-05						
Cadmium	2E-05	mg/L	5E-06						
Chromium	ND	mg/L	1E-05						
Cobalt	ND	mg/L	9E-05						
Copper	ND	mg/L	2E-05						
Iron	ND	mg/L	0.0003						
Lead	ND	mg/L	2E-05						
Nickel	7E-05	mg/L	2E-05						
Selenium	2E-05	mg/L	2E-05						
Silver	ND	mg/L	2E-05						
Thallium	ND	mg/L	0.0002						
Vanadium	ND	mg/L	8E-06						
Zinc	0.0009	mg/L	0.0003						

Sample ID: LFB Laboratory Fortified Blank Run: ICPMS204-B_090514A 05/14/09 03

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Arsenic	0.0496	mg/L	0.0010	99	85	115			
Barium	0.0502	mg/L	0.0010	100	85	115			
Beryllium	0.0473	mg/L	0.0010	95	85	115			
Cadmium	0.0487	mg/L	0.0010	97	85	115			
Chromium	0.0489	mg/L	0.0010	98	85	115			
Cobalt	0.0489	mg/L	0.0010	98	85	115			
Copper	0.0485	mg/L	0.0010	97	85	115			
Iron	4.92	mg/L	0.0010	97	85	115			
Lead	0.0501	mg/L	0.0010	100	85	115			
Nickel	0.0485	mg/L	0.0010	97	85	115			
Selenium	0.0489	mg/L	0.0010	98	85	115			
Silver	0.0194	mg/L	0.0010	97	85	115			
Thallium	0.0503	mg/L	0.0010	101	85	115			
Vanadium	0.0497	mg/L	0.0010	99	85	115			
Zinc	0.0489	mg/L	0.0010	96	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Batch: R12942	
Sample ID: B09051010-001AMS	Sample Matrix Spike				Run: ICPMS204-B_090514A			05/14/09 04:	
Arsenic	0.0524	mg/L	0.0050	101	75	125			
Barium	0.0689	mg/L	0.10	101	75	125			
Beryllium	0.0473	mg/L	0.0010	95	75	125			
Cadmium	0.0482	mg/L	0.0010	96	75	125			
Chromium	0.0497	mg/L	0.010	99	75	125			
Cobalt	0.0488	mg/L	0.010	98	75	125			
Copper	0.0501	mg/L	0.010	96	75	125			
Lead	0.0502	mg/L	0.010	100	75	125			
Nickel	0.0471	mg/L	0.010	94	75	125			
Selenium	0.0545	mg/L	0.0050	102	75	125			
Silver	0.0188	mg/L	0.0050	94	75	125			
Thallium	0.0501	mg/L	0.0050	100	75	125			
Vanadium	0.0607	mg/L	0.10	101	75	125			
Zinc	0.0646	mg/L	0.010	92	75	125			
Sample ID: B09051010-001AMSD	Sample Matrix Spike Duplicate				Run: ICPMS204-B_090514A			05/14/09 04:	
Arsenic	0.0520	mg/L	0.0050	100	75	125	0.8	20	
Barium	0.0680	mg/L	0.10	99	75	125		20	
Beryllium	0.0475	mg/L	0.0010	95	75	125	0.3	20	
Cadmium	0.0482	mg/L	0.0010	96	75	125	0.1	20	
Chromium	0.0484	mg/L	0.010	96	75	125	2.7	20	
Cobalt	0.0488	mg/L	0.010	98	75	125	0	20	
Copper	0.0495	mg/L	0.010	95	75	125	1.1	20	
Lead	0.0500	mg/L	0.010	100	75	125	0.4	20	
Nickel	0.0469	mg/L	0.010	94	75	125	0.4	20	
Selenium	0.0534	mg/L	0.0050	100	75	125	2	20	
Silver	0.0191	mg/L	0.0050	95	75	125	1.2	20	
Thallium	0.0499	mg/L	0.0050	100	75	125	0.4	20	
Vanadium	0.0597	mg/L	0.10	99	75	125		20	
Zinc	0.0634	mg/L	0.010	90	75	125	1.9	20	
Sample ID: B09051025-002BMS	Sample Matrix Spike				Run: ICPMS204-B_090514A			05/14/09 06:	
Arsenic	0.254	mg/L	0.0050	101	75	125			
Barium	0.261	mg/L	0.10	101	75	125			
Beryllium	0.231	mg/L	0.0010	93	75	125			
Cadmium	0.239	mg/L	0.0010	95	75	125			
Chromium	0.254	mg/L	0.010	102	75	125			
Cobalt	0.250	mg/L	0.010	100	75	125			
Copper	0.248	mg/L	0.010	99	75	125			
Lead	0.256	mg/L	0.010	102	75	125			
Nickel	0.241	mg/L	0.010	96	75	125			
Selenium	0.264	mg/L	0.0050	105	75	125			
Silver	0.0941	mg/L	0.0050	94	75	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW6020**								Batch: R1294	
Sample ID: **B09051025-002BMS**	Sample Matrix Spike				Run: ICPMS204-B_090514A			05/14/09 06:	
Thallium	0.254	mg/L	0.0050	102	75	125			
Vanadium	0.259	mg/L	0.10	104	75	125			
Zinc	0.248	mg/L	0.010	95	75	125			
Sample ID: **B09051025-002BMSD**	Sample Matrix Spike Duplicate				Run: ICPMS204-B_090514A			05/14/09 06:	
Arsenic	0.254	mg/L	0.0050	102	75	125	0.1	20	
Barium	0.262	mg/L	0.10	102	75	125	0.6	20	
Beryllium	0.226	mg/L	0.0010	90	75	125	2.5	20	
Cadmium	0.239	mg/L	0.0010	95	75	125	0.3	20	
Chromium	0.255	mg/L	0.010	102	75	125	0.4	20	
Cobalt	0.250	mg/L	0.010	100	75	125	0.1	20	
Copper	0.252	mg/L	0.010	101	75	125	1.6	20	
Lead	0.256	mg/L	0.010	102	75	125	0.2	20	
Nickel	0.250	mg/L	0.010	100	75	125	3.9	20	
Selenium	0.259	mg/L	0.0050	103	75	125	2.1	20	
Silver	0.0949	mg/L	0.0050	95	75	125	0.8	20	
Thallium	0.251	mg/L	0.0050	100	75	125	1.4	20	
Vanadium	0.260	mg/L	0.10	104	75	125	0.1	20	
Zinc	0.283	mg/L	0.010	109	75	125	13	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020						Analytical Run: ICPMS203-B_090515			
Sample ID: QCS-081021A,090401E,0	Initial Calibration Verification Standard							05/15/09 02:	
Antimony	0.0485	mg/L	0.0010	97	90	110			
Sample ID: ICSA-ME081125C	Interference Check Sample A							05/15/09 02:	
Antimony	0.00218	mg/L	0.0010						
Sample ID: ICSAB-ME081125C,0901	Interference Check Sample AB							05/15/09 02:	
Antimony	0.00204	mg/L	0.0010		0	0			
Method: SW6020								Batch: R1295	
Sample ID: LRB	Method Blank				Run: ICPMS203-B_090515A			05/15/09 03:	
Antimony	4E-05	mg/L	4E-06						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS203-B_090515A			05/15/09 03:	
Antimony	0.0499	mg/L	0.050	100	85	115			
Sample ID: B09051010-001AMS	Sample Matrix Spike				Run: ICPMS203-B_090515A			05/15/09 03:	
Antimony	0.0503	mg/L	0.0050	100	75	125			
Sample ID: B09051010-001AMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_090515A			05/15/09 04:	
Antimony	0.0501	mg/L	0.0050	100	75	125	0.3	20	
Sample ID: B09051022-001BDIL	Serial Dilution				Run: ICPMS203-B_090515A			05/15/09 04:	
Antimony	0.000348	mg/L	0.0050		0	0		10	N
Sample ID: B09051025-002BMS	Sample Matrix Spike				Run: ICPMS203-B_090515A			05/15/09 06:	
Antimony	0.250	mg/L	0.0050	100	75	125			
Sample ID: B09051025-002BMSD	Sample Matrix Spike Duplicate				Run: ICPMS203-B_090515A			05/15/09 06:	
Antimony	0.251	mg/L	0.0050	100	75	125	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS204-B_09052
Sample ID: QCS-081021A,090401E,0	Initial Calibration Verification Standard								05/24/09 13:
Arsenic	0.0490	mg/L	0.0010	98	90	110			
Barium	0.0493	mg/L	0.0010	99	90	110			
Beryllium	0.0244	mg/L	0.0010	98	90	110			
Cadmium	0.0255	mg/L	0.0010	102	90	110			
Chromium	0.0491	mg/L	0.0010	98	90	110			
Cobalt	0.0500	mg/L	0.0010	100	90	110			
Iron	0.272	mg/L	0.0010	109	90	110			
Lead	0.0495	mg/L	0.0010	99	90	110			
Nickel	0.0513	mg/L	0.0010	103	90	110			
Selenium	0.0517	mg/L	0.0010	103	90	110			
Silver	0.0252	mg/L	0.0010	101	90	110			
Thallium	0.0495	mg/L	0.0010	99	90	110			
Vanadium	0.0492	mg/L	0.0010	98	90	110			
Sample ID: ICSA-ME081125C	Interference Check Sample A								05/24/09 13:
Arsenic	3.78E-05	mg/L	0.0010						
Barium	0.000877	mg/L	0.0010						
Beryllium	3.30E-06	mg/L	0.0010						
Cadmium	0.000872	mg/L	0.0010						
Chromium	0.000734	mg/L	0.0010						
Cobalt	0.000229	mg/L	0.0010						
Iron	97.2	mg/L	0.0010	78					
Lead	2.20E-06	mg/L	0.0010						
Nickel	0.00400	mg/L	0.0010						
Selenium	4.40E-06	mg/L	0.0010						
Silver	0.000101	mg/L	0.0010						
Thallium	9.00E-07	mg/L	0.0010						
Vanadium	8.69E-05	mg/L	0.0010						
Sample ID: ICSAB-ME081125C,0901	Interference Check Sample AB								05/24/09 14
Arsenic	0.00961	mg/L	0.0010	96	70	130			
Barium	0.000839	mg/L	0.0010		0	0			
Beryllium	4.30E-06	mg/L	0.0010		0	0			
Cadmium	0.00998	mg/L	0.0010	100	70	130			
Chromium	0.0201	mg/L	0.0010	101	70	130			
Cobalt	0.0196	mg/L	0.0010	98	70	130			
Iron	97.0	mg/L	0.0010	97	70	130			
Lead	1.50E-06	mg/L	0.0010		0	0			
Nickel	0.0230	mg/L	0.0010	115	70	130			
Selenium	0.00935	mg/L	0.0010	94	70	130			
Silver	0.0185	mg/L	0.0010	92	70	130			
Thallium	5.30E-06	mg/L	0.0010		0	0			
Vanadium	0.0196	mg/L	0.0010	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916
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QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Batch: R12995	
Sample ID: LRB	Method Blank				Run: ICPMS204-B_090524A			05/24/09 04:2	
Arsenic	ND	mg/L	4E-05						
Barium	ND	mg/L	3E-05						
Beryllium	4E-06	mg/L	4E-06						
Cadmium	ND	mg/L	3E-06						
Chromium	ND	mg/L	4E-05						
Cobalt	ND	mg/L	5E-06						
Iron	0.0005	mg/L	0.0002						
Lead	ND	mg/L	3E-06						
Nickel	ND	mg/L	3E-05						
Selenium	ND	mg/L	0.0001						
Silver	1E-05	mg/L	7E-06						
Thallium	1E-05	mg/L	4E-06						
Vanadium	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS204-B_090524A			05/24/09 04:	
Arsenic	0.0501	mg/L	0.0050	100	85	115			
Barium	0.0505	mg/L	0.10	101	85	115			
Beryllium	0.0468	mg/L	0.0010	94	85	115			
Cadmium	0.0489	mg/L	0.0010	98	85	115			
Chromium	0.0501	mg/L	0.010	100	85	115			
Cobalt	0.0492	mg/L	0.010	98	85	115			
Iron	4.98	mg/L	0.030	100	85	115			
Lead	0.0507	mg/L	0.010	101	85	115			
Nickel	0.0498	mg/L	0.010	100	85	115			
Selenium	0.0492	mg/L	0.0050	98	85	115			
Silver	0.0199	mg/L	0.0050	99	85	115			
Thallium	0.0507	mg/L	0.10	101	85	115			
Vanadium	0.0511	mg/L	0.10	102	85	115			
Sample ID: B09051558-001ADIL	Serial Dilution				Run: ICPMS204-B_090524A			05/24/09 04:	
Arsenic	0.00650	mg/L	0.0050		0	0	2.4	10	
Barium	0.0598	mg/L	0.10		0	0		10	
Beryllium	ND	mg/L	0.0010		0	0		10	
Cadmium	ND	mg/L	0.0010		0	0		10	
Chromium	0.00202	mg/L	0.010		0	0		10	
Cobalt	0.00430	mg/L	0.010		0	0		10	N
Iron	0.0658	mg/L	0.030		0	0	7.9	10	
Lead	ND	mg/L	0.010		0	0		10	
Nickel	0.0263	mg/L	0.010		0	0	2	10	
Selenium	0.0275	mg/L	0.0050		0	0	1	10	
Silver	ND	mg/L	0.0050		0	0		10	
Thallium	ND	mg/L	0.0050		0	0		10	
Vanadium	0.00402	mg/L	0.10		0	0		10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Method: **SW6020** Batch: R12995

Sample ID: **B09051558-001AMS** Sample Matrix Spike Run: ICPMS204-B_090524A 05/24/09 05:0

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Arsenic	0.106	mg/L	0.0050	100	75	125			
Barium	0.164	mg/L	0.10	102	75	125			
Beryllium	0.0924	mg/L	0.0010	92	75	125			
Cadmium	0.0954	mg/L	0.0010	95	75	125			
Chromium	0.103	mg/L	0.010	101	75	125			
Cobalt	0.104	mg/L	0.010	100	75	125			
Lead	0.103	mg/L	0.010	103	75	125			
Nickel	0.124	mg/L	0.010	98	75	125			
Selenium	0.125	mg/L	0.0050	98	75	125			
Silver	0.0180	mg/L	0.0050	45	75	125			S
Thallium	0.104	mg/L	0.0050	104	75	125			
Vanadium	0.107	mg/L	0.10	103	75	125			

Sample ID: **B09051558-001AMSD** Sample Matrix Spike Duplicate Run: ICPMS204-B_090524A 05/24/09 05:1

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Arsenic	0.107	mg/L	0.0050	101	75	125	0.8	20	
Barium	0.163	mg/L	0.10	101	75	125	0.7	20	
Beryllium	0.0900	mg/L	0.0010	90	75	125	2.6	20	
Cadmium	0.0944	mg/L	0.0010	94	75	125	1	20	
Chromium	0.105	mg/L	0.010	103	75	125	1.3	20	
Cobalt	0.105	mg/L	0.010	101	75	125	0.9	20	
Lead	0.102	mg/L	0.010	102	75	125	1.2	20	
Nickel	0.125	mg/L	0.010	98	75	125	0.5	20	
Selenium	0.124	mg/L	0.0050	97	75	125	0.6	20	
Silver	0.0188	mg/L	0.0050	47	75	125	4.6	20	S
Thallium	0.103	mg/L	0.0050	103	75	125	0.3	20	
Vanadium	0.109	mg/L	0.10	105	75	125	1.8	20	

Sample ID: **B09051022-001BDIL** Serial Dilution Run: ICPMS204-B_090524A 05/24/09 16:

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Arsenic	0.00172	mg/L	0.0050		0	0		10	N
Barium	0.322	mg/L	0.10		0	0	0.8	10	
Beryllium	ND	mg/L	0.0010		0	0		10	
Cadmium	0.00108	mg/L	0.0010		0	0	7.5	10	
Chromium	0.000388	mg/L	0.010		0	0		10	N
Cobalt	ND	mg/L	0.010		0	0		10	
Iron	0.0169	mg/L	0.030		0	0		10	N
Lead	ND	mg/L	0.010		0	0		10	
Nickel	ND	mg/L	0.010		0	0		10	
Selenium	0.00281	mg/L	0.0050		0	0		10	N
Silver	ND	mg/L	0.0050		0	0		10	
Thallium	ND	mg/L	0.0050		0	0		10	
Vanadium	0.00172	mg/L	0.10		0	0		10	N

Qualifiers:

RL - Analyte reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/29/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW7470A									Batch: 3885
Sample ID: MB-38852	Method Blank				Run: HGCV201-B_090513A				05/13/09 11:2
Mercury	ND	mg/L	5E-05						
Sample ID: LCS-38852	Laboratory Control Sample				Run: HGCV201-B_090513A				05/13/09 11:
Mercury	0.00179	mg/L	0.0010	89	85	115			
Sample ID: B09051022-001BMS	Sample Matrix Spike				Run: HGCV201-B_090513A				05/13/09 11:
Mercury	0.00200	mg/L	0.0010	100	85	115			
Sample ID: B09051022-001BMSD	Sample Matrix Spike Duplicate				Run: HGCV201-B_090513A				05/13/09 11:
Mercury	0.00188	mg/L	0.0010	94	85	115	6.2	20	
Sample ID: B09051022-007BMS	Sample Matrix Spike				Run: HGCV201-B_090513A				05/13/09 12:
Mercury	0.00182	mg/L	0.0010	91	85	115			
Sample ID: B09051022-007BMSD	Sample Matrix Spike Duplicate				Run: HGCV201-B_090513A				05/13/09 12:
Mercury	0.00195	mg/L	0.0010	98	85	115	6.9	20	
Method: SW7470A					Analytical Run: HGCV201-B_09051				
Sample ID: QCS	Initial Calibration Verification Standard								05/13/09 11:
Mercury	0.00184	mg/L	0.0010	92	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/15/09
Work Order: B09051022

Method: **SW8260B** Batch: R12944

Sample ID: **lcs051309** Laboratory Control Sample Run: 5971A.I_090513A 05/13/09 10:5

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	43.2	ug/L	20	86	62	130			
Acrylonitrile	52.0	ug/L	20	104	60	130			
Benzene	4.72	ug/L	1.0	94	71	133			
Bromochloromethane	4.92	ug/L	1.0	98	68	131			
Bromodichloromethane	4.96	ug/L	1.0	99	67	138			
Bromoform	4.72	ug/L	1.0	94	64	136			
Bromomethane	6.76	ug/L	1.0	135	60	138			
Carbon disulfide	5.24	ug/L	1.0	105	46	145			
Carbon tetrachloride	4.96	ug/L	1.0	99	61	144			
Chlorobenzene	4.72	ug/L	1.0	94	78	136			
Chlorodibromomethane	4.88	ug/L	1.0	98	72	136			
Chloroethane	5.92	ug/L	1.0	118	64	136			
Chloroform	4.64	ug/L	1.0	93	69	133			
Chloromethane	5.56	ug/L	1.0	111	63	149			
1,2-Dibromo-3-chloropropane	4.52	ug/L	1.0	90	63	125			
1,2-Dibromoethane	4.84	ug/L	1.0	97	75	131			
Dibromomethane	4.88	ug/L	1.0	98	72	133			
1,2-Dichlorobenzene	4.72	ug/L	1.0	94	78	129			
1,4-Dichlorobenzene	4.80	ug/L	1.0	96	78	131			
trans-1,4-Dichloro-2-butene	4.68	ug/L	1.0	94	50	142			
Dichlorodifluoromethane	5.56	ug/L	1.0	111	55	141			
1,1-Dichloroethane	4.64	ug/L	1.0	93	72	130			
1,2-Dichloroethane	4.72	ug/L	1.0	94	57	146			
1,1-Dichloroethene	4.48	ug/L	1.0	90	66	142			
cis-1,2-Dichloroethene	4.64	ug/L	1.0	93	74	133			
trans-1,2-Dichloroethene	4.76	ug/L	1.0	95	76	138			
1,2-Dichloropropane	4.76	ug/L	1.0	95	72	135			
cis-1,3-Dichloropropene	4.76	ug/L	1.0	95	75	132			
trans-1,3-Dichloropropene	5.08	ug/L	1.0	102	77	145			
Ethylbenzene	4.80	ug/L	1.0	96	78	131			
2-Hexanone	48.4	ug/L	20	97	72	131			
Iodomethane	5.48	ug/L	1.0	110	66	132			
Methyl ethyl ketone	47.6	ug/L	20	95	55	145			
Methyl isobutyl ketone	46.8	ug/L	20	94	73	129			
Methylene chloride	4.28	ug/L	1.0	86	73	126			
Styrene	4.92	ug/L	1.0	98	76	134			
1,1,1,2-Tetrachloroethane	4.80	ug/L	1.0	96	75	135			
1,1,2,2-Tetrachloroethane	4.72	ug/L	1.0	94	72	132			
Tetrachloroethene	5.08	ug/L	1.0	102	78	137			
Toluene	4.84	ug/L	1.0	97	78	134			
1,1,1-Trichloroethane	4.80	ug/L	1.0	96	64	141			
1,1,2-Trichloroethane	5.00	ug/L	1.0	100	72	133			
Trichloroethene	4.84	ug/L	1.0	97	75	138			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/15/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R1294
Sample ID: lcs051309	Laboratory Control Sample				Run: 5971A.I_090513A				05/13/09 10:
Trichlorofluoromethane	6.04	ug/L	1.0	121	58	139			
1,2,3-Trichloropropane	4.28	ug/L	1.0	86	67	133			
Vinyl acetate	4.12	ug/L	1.0	82	31	124			
Vinyl chloride	6.28	ug/L	1.0	126	66	140			
m+p-Xylenes	10.0	ug/L	1.0	100	78	133			
o-Xylene	5.00	ug/L	1.0	100	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	92	70	130			
Surr: Dibromofluoromethane			1.0	95	77	126			
Surr: p-Bromofluorobenzene			1.0	93	76	127			
Surr: Toluene-d8			1.0	95	79	122			
Sample ID: blk051309	Method Blank				Run: 5971A.I_090513A				05/13/09 12:
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/15/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW8260B**									Batch: R12944
Sample ID: **blk051309**	Method Blank				Run: 5971A.I_090513A				05/13/09 12:0
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	88	70	130			
Surr: Dibromofluoromethane			1.0	93	77	126			
Surr: p-Bromofluorobenzene			1.0	95	76	127			
Surr: Toluene-d8			1.0	92	79	122			
Sample ID: **B09051022-001Ems**	Sample Matrix Spike				Run: 5971A.I_090513A				05/13/09 20:
Acetone	45.6	ug/L	20	91	62	130			
Acrylonitrile	50.8	ug/L	20	102	60	130			
Benzene	4.48	ug/L	1.0	90	71	133			
Bromochloromethane	4.44	ug/L	1.0	89	68	131			
Bromodichloromethane	4.52	ug/L	1.0	90	67	138			
Bromoform	4.36	ug/L	1.0	87	64	136			
Bromomethane	5.08	ug/L	1.0	102	60	138			
Carbon disulfide	4.76	ug/L	1.0	95	46	146			
Carbon tetrachloride	4.52	ug/L	1.0	90	61	144			
Chlorobenzene	4.52	ug/L	1.0	90	78	136			
Chlorodibromomethane	4.52	ug/L	1.0	90	72	136			
Chloroethane	5.16	ug/L	1.0	103	64	136			
Chloroform	4.40	ug/L	1.0	88	69	133			
Chloromethane	5.00	ug/L	1.0	100	63	149			
1,2-Dibromo-3-chloropropane	4.04	ug/L	1.0	81	63	125			
1,2-Dibromoethane	4.48	ug/L	1.0	90	75	131			
Dibromomethane	4.64	ug/L	1.0	93	72	133			
1,2-Dichlorobenzene	4.48	ug/L	1.0	90	78	129			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/15/09
Work Order: B09051022

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R1294	
Sample ID: B09051022-001Ems	Sample Matrix Spike				Run: 5971A.I_090513A			05/13/09 20:	
1,4-Dichlorobenzene	4.48	ug/L	1.0	90	78	132			
trans-1,4-Dichloro-2-butene	3.58	ug/L	1.0	72	50	142			
Dichlorodifluoromethane	4.72	ug/L	1.0	94	55	141			
1,1-Dichloroethane	4.40	ug/L	1.0	88	72	130			
1,2-Dichloroethane	4.64	ug/L	1.0	93	57	146			
1,1-Dichloroethene	4.24	ug/L	1.0	85	66	142			
cis-1,2-Dichloroethene	4.44	ug/L	1.0	89	74	133			
trans-1,2-Dichloroethene	4.56	ug/L	1.0	91	76	138			
1,2-Dichloropropane	4.60	ug/L	1.0	92	72	135			
cis-1,3-Dichloropropene	4.32	ug/L	1.0	86	75	132			
trans-1,3-Dichloropropene	4.68	ug/L	1.0	94	77	145			
Ethylbenzene	4.48	ug/L	1.0	90	78	131			
2-Hexanone	48.8	ug/L	20	98	72	131			
Iodomethane	5.04	ug/L	1.0	101	66	132			
Methyl ethyl ketone	48.4	ug/L	20	97	55	145			
Methyl isobutyl ketone	46.4	ug/L	20	93	73	129			
Methylene chloride	4.04	ug/L	1.0	81	73	126			
Styrene	4.52	ug/L	1.0	90	76	134			
1,1,1,2-Tetrachloroethane	4.36	ug/L	1.0	87	75	135			
1,1,2,2-Tetrachloroethane	4.64	ug/L	1.0	93	72	132			
Tetrachloroethene	4.56	ug/L	1.0	91	78	137			
Toluene	4.56	ug/L	1.0	91	78	134			
1,1,1-Trichloroethane	4.28	ug/L	1.0	86	64	141			
1,1,2-Trichloroethane	4.56	ug/L	1.0	91	72	133			
Trichloroethene	4.32	ug/L	1.0	86	75	138			
Trichlorofluoromethane	5.24	ug/L	1.0	105	58	139			
1,2,3-Trichloropropane	4.20	ug/L	1.0	84	67	133			
Vinyl acetate	3.93	ug/L	1.0	79	42	120			
Vinyl chloride	5.40	ug/L	1.0	108	66	140			
m+p-Xylenes	8.96	ug/L	1.0	90	78	133			
o-Xylene	4.72	ug/L	1.0	94	79	136			
Xylenes, Total	13.7	ug/L	1.0	91	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	93	70	130			
Surr: Dibromofluoromethane			1.0	95	77	126			
Surr: p-Bromofluorobenzene			1.0	94	76	127			
Surr: Toluene-d8			1.0	91	79	122			
Sample ID: B09051022-001Emsd	Sample Matrix Spike Duplicate				Run: 5971A.I_090513A			05/13/09 21:	
Acetone	40.8	ug/L	20	82	62	130	11	20	
Acrylonitrile	48.0	ug/L	20	96	60	130	5.7	20	
Benzene	4.60	ug/L	1.0	92	71	133	2.6	20	
Bromochloromethane	4.72	ug/L	1.0	94	68	131	6.1	20	
Bromodichloromethane	4.72	ug/L	1.0	94	67	138	4.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/15/09
Work Order: B09051022

Method: **SW8260B** Batch: R12944

Sample ID: **B09051022-001Emsd** Sample Matrix Spike Duplicate Run: 5971A.I_090513A 05/13/09 21:1

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Bromoform	4.48	ug/L	1.0	90	64	136	2.7	20	
Bromomethane	6.00	ug/L	1.0	120	60	138	17	20	
Carbon disulfide	4.76	ug/L	1.0	95	46	146	0	20	
Carbon tetrachloride	4.64	ug/L	1.0	93	61	144	2.6	20	
Chlorobenzene	4.64	ug/L	1.0	93	78	136	2.6	20	
Chlorodibromomethane	4.68	ug/L	1.0	94	72	136	3.5	20	
Chloroethane	5.44	ug/L	1.0	109	64	136	5.3	20	
Chloroform	4.52	ug/L	1.0	90	69	133	2.7	20	
Chloromethane	5.52	ug/L	1.0	110	63	149	9.9	20	
1,2-Dibromo-3-chloropropane	4.24	ug/L	1.0	85	63	125	4.8	20	
1,2-Dibromoethane	4.72	ug/L	1.0	94	75	131	5.2	20	
Dibromomethane	4.84	ug/L	1.0	97	72	133	4.2	20	
1,2-Dichlorobenzene	4.56	ug/L	1.0	91	78	129	1.8	20	
1,4-Dichlorobenzene	4.64	ug/L	1.0	93	78	132	3.5	20	
trans-1,4-Dichloro-2-butene	3.62	ug/L	1.0	72	50	142	1.2	20	
Dichlorodifluoromethane	5.00	ug/L	1.0	100	55	141	5.8	20	
1,1-Dichloroethane	4.52	ug/L	1.0	90	72	130	2.7	20	
1,2-Dichloroethane	4.44	ug/L	1.0	89	57	146	4.4	20	
1,1-Dichloroethene	4.32	ug/L	1.0	86	66	142	1.9	20	
cis-1,2-Dichloroethene	4.52	ug/L	1.0	90	74	133	1.8	20	
trans-1,2-Dichloroethene	4.36	ug/L	1.0	87	76	138	4.5	20	
1,2-Dichloropropane	4.72	ug/L	1.0	94	72	135	2.6	20	
cis-1,3-Dichloropropene	4.52	ug/L	1.0	90	75	132	4.5	20	
trans-1,3-Dichloropropene	4.96	ug/L	1.0	99	77	145	5.8	20	
Ethylbenzene	4.64	ug/L	1.0	93	78	131	3.5	20	
2-Hexanone	43.2	ug/L	20	86	72	131	12	20	
Iodomethane	5.00	ug/L	1.0	100	66	132	0.8	20	
Methyl ethyl ketone	44.0	ug/L	20	88	55	145	9.5	20	
Methyl isobutyl ketone	41.2	ug/L	20	82	73	129	12	20	
Methylene chloride	4.24	ug/L	1.0	85	73	126	4.8	20	
Styrene	4.68	ug/L	1.0	94	76	134	3.5	20	
1,1,1,2-Tetrachloroethane	4.64	ug/L	1.0	93	75	135	6.2	20	
1,1,2,2-Tetrachloroethane	4.60	ug/L	1.0	92	72	132	0.9	20	
Tetrachloroethene	4.72	ug/L	1.0	94	78	137	3.4	20	
Toluene	4.60	ug/L	1.0	92	78	134	0.9	20	
1,1,1-Trichloroethane	4.40	ug/L	1.0	88	64	141	2.8	20	
1,1,2-Trichloroethane	4.16	ug/L	1.0	83	72	133	9.2	20	
Trichloroethene	4.52	ug/L	1.0	90	75	138	4.5	20	
Trichlorofluoromethane	5.40	ug/L	1.0	108	58	139	3	20	
1,2,3-Trichloropropane	4.04	ug/L	1.0	81	67	133	3.9	20	
Vinyl acetate	3.60	ug/L	1.0	72	42	120	8.8	20	
Vinyl chloride	5.76	ug/L	1.0	115	66	140	6.5	20	
m+p-Xylenes	9.48	ug/L	1.0	95	78	133	5.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: 102

Report Date: 05/15/09
Work Order: B09051022

Method: **SW8260B** Batch: R1294

Sample ID: **B09051022-001Emsd** Sample Matrix Spike Duplicate Run: 5971A.I_090513A 05/13/09 21:

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
o-Xylene	4.80	ug/L	1.0	96	79	136	1.7	20	
Xylenes, Total	14.3	ug/L	1.0	95	70	130	4.3	20	
Surr: 1,2-Dichloroethane-d4			1.0	94	70	130			
Surr: Dibromofluoromethane			1.0	98	77	126			
Surr: p-Bromofluorobenzene			1.0	92	76	127			
Surr: Toluene-d8			1.0	94	79	122			

Method: **SW8260B** Batch: R1294

Sample ID: **lcs051409** Laboratory Control Sample Run: 5971A.I_090514A 05/14/09 12:

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Tetrachloroethene	4.80	ug/L	1.0	96	78	137			
Surr: 1,2-Dichloroethane-d4			1.0	89	70	130			
Surr: Dibromofluoromethane			1.0	92	77	126			
Surr: p-Bromofluorobenzene			1.0	97	76	127			
Surr: Toluene-d8			1.0	92	79	122			

Sample ID: **blk051409** Method Blank Run: 5971A.I_090514A 05/14/09 13:

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Tetrachloroethene	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	86	70	130			
Surr: Dibromofluoromethane			1.0	90	77	126			
Surr: p-Bromofluorobenzene			1.0	95	76	127			
Surr: Toluene-d8			1.0	87	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Energy Laboratories Inc
Workorder Receipt Checklist

B09051022

Richland County Health Dept

Login completed by: Leslie S. Cadreau

Reviewed by: Denise Ruby

Reviewed Date: 5/13/2009 9:29:00 AM

Date and Time Received: 5/12/2009 8:50 AM

Received by: smr

Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☐	No ☑	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	5°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

One vial for samples Lamphir and SL-3 were received broken.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: Richland County

Report Mail Address: 1201 West Holly Suite 5

Invoice Address: Sidney MT 59270

Project Name, PWS, Permit, Etc. 102

Contact Name: Kitty Logan

Phone/Fax: 433-6876

Email: kLogan@richland.org

Invoice Contact & Phone:

Sample Origin

State:

EPA/State Compliance: Yes ☐ No ☐

Sampler: (Please Print)

Purchase Order:

Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW
☐ GSA
☐ POTW/WWTP
☐ State: ________
☐ Other: ________
☐ A2LA
☐ EDD/EDT(Electronic Data) Format: ________
☐ LEVEL IV
☐ NELAC

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids
Vegetation Bioassay Other

ANALYSIS REQUESTED: VOC's, nutrients, ions, metals, cyanide

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:
Logged per
WO# B08041496
Landfill table
L.C.

Shipped by: RT12N UPS GRD

Cooler ID(s):

Receipt Temp 5 °C

On Ice: [✓ Yes] No

Custody Seal [✓ Y] N

Bottles/Coolers B [✓ C]

Intact [✓ Y] N

Signature Match Y [✓ N]

		SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		LABORATORY USE ONLY
TB 2	1	S-5	May ~~8~~ 8, 09	1145	W	DATE - labeled	B09051022-00
2	2	S-3	5/8/09	1310	W	~~5-9/04~~	-002
2	3	Lamphier	5-8-09	1340	W	should be	-003
2	4	SL-1	5-8-04	1535	W	5/8/09	-004
2	5	SL-2	5-9-04	1630	W		-005
2	6	SL-3	5-8-04	1735	W		-006
1	7	SL-4	5-9-09	1200	W		-007
2	8	SL-5	5-9-09	1315	W		-008
	9	TB 4-30-09 TS	0243 (1)				-009
	10	TB "	" (2)				-010

Custody Record MUST be Signed

Relinquished by (print): KL Date/Time: 5/11/09 @1100 Signature:

Relinquished by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Received by Laboratory: Sandy Rusch Date/Time: 5-12-09 8:50 Signature:

Sample Disposal: Return to Client: ________ Lab Disposal: ________

may be subcontracted to other certified laboratories in order to complete the analysis requested.

Oxford.
Esselte
10% PE

County Richland (Closed)
Facility & # Richland Co #102

Closure
Finan Assur
GW Corr Meas
[✓ GW Monitoring]
GW Reports
Inspections
Other: ____________________
____

Landfarm
Liner
Methane
O & M
Run-on

RICHLAND COUNTY LANDFILL # 102

FALL 2008

RECEIVED BT
JAN 26 2009
Dept. of Enviro. Quality
Waste & Underground

DISTRICT SANITARIAN
RICHLAND and McCONE COUNTY HEALTH DEPARTMENTS

1201 West Holly Suite #5 Sidney, MT 59270 Phone: 406-433-6876

MEMORANDUM

TO: Martin Van Oort - DEQ/Permitting & Compliance/Solid Waste

FROM: Kelly Logan

DATE: January 12, 2009

SUBJECT: Richland County Landfill # 102 – Sept. 2008 sampling

Landfill #102 opened in 1970 and was operated by the City of Sidney. Garbage was buried to a depth of seven feet with approximately two feet of soil cover (five feet of garbage). The northeast and north-central area of the landfill had very little garbage buried there. In 1981 Richland County began operating the landfill and implemented a 40 cy container system. In 1985 the county excavated a deep trench, approximately 40 ft. in depth. The second cell excavated was approximately 25 ft. in depth. Locations of the deep cells are shown on the enclosed diagram.

Two distinct water bearing units underlie the landfill. A perched unit consisting of approximately 25 to 90 feet of unconsolidated sediment overlies shale bedrock of the Tertiary Fort Union Formation. Monitor wells SL-1 through SL-5 are screened in this unit. The deeper groundwater unit is a bedrock aquifer consisting of interlayered sandstone, shale, and coal. Spring S-3 north of the landfill appears to discharge from a Fort Union coal seam. Spring S-5 appears to discharge from the base of glacial deposits.

Groundwater elevation data indicates the groundwater gradient in the perched system is relatively flat except near SL-1 where groundwater elevations are one to two feet higher than the other wells screened in this unit. SL-1 is located in a low lying area where runoff form the landfill tends to accumulate. The higher groundwater elevation at SL-1 is the result of local recharge. Hydrographs show that the natural direction of groundwater flow is to the southeast. This correlates with the suspected groundwater flow direction suggested in Chen-Northern and Damschen & Associates May 1990 report (based on published data and topography). Groundwater elevations at SL-1 and SL-2 are influenced by precipitation and skew the apparent groundwater flow direction to the north-northeast at times.

The landfill was closed in October 1995 and the active cells were capped and seeded. The eastern two-thirds of the landfill was capped in 1993 and the western edge (1/6) in 1994. Capping material was taken from approximately 40 acres directly north of SL-3 and west of SL-4.

Groundwater samples were collected from Richland County Landfill #102 during September 2008. Below is a summary for landfill. Spring S-5 was dry as the collection system was damaged, most likely by wildlife, and has not been repaired.

Next scheduled sampling is in April/May 2009.

ANALYTICAL DATA - QC

- Method and trip blank were satisfactory. The "spike recovery" was outside the advisory limits for bromomethane, dichlorodifluoromethane, vinyl chloride and chloromethane.
- Laboratory added additional preservative to the nutrients samples for SL-3, SL-4, and duplicate sample to reduce to pH<2.
- Field duplicate was submitted from SL-4.

GROUNDWATER ELEVATIONS

- The 2008 hydrograph shows that the water table is relatively flat with water mounded at SL-1 (road acts as a barrier). Peak groundwater occurred in January and low groundwater occurred in December.
- The hydrograph shows that the natural direction of groundwater flow is to the southeast.
- It is not possible to reliably determine the direction rate of groundwater movement through the unconsolidated sediments of the upper most water-bearing unit as the water table is virtually flat (Maxim Technologies August 1986).

METHANE DATA

- Methane data summary enclosed.
- Passive methane extraction system installed during November 2001 per approved plans. This system was recommended to Solid Waste Board on October 17, 2000 by the state's Solid Waste Program staff. This type of system naturally works at a slower pace which I'm sure the Solid Waste Program was aware of when they recommended it.
- LEL readings at SL-1 were consistently at 100% from 1995 thru 2002 after which the LEL readings have fluctuated from the mid 30's to the mid 60's (with occasional higher readings).
- LEL readings at SL-3 were occasionally above 25% from late 1997 thru 1999 after which readings have been less than 10%.

- It is safe to assume that landfill gas production has reached a "steady state" and that VOC's concentrations found would be relatively stable or decreasing.

ANALYTICAL DATA SUMMARY

- A review of the data collected from Lamphiers, springs S-3, S-5, and monitoring well SL-5 basically show "no impact" and little change since we started collecting data.

- Barium, chloride, and sulfate concentrations were impacted by "capping" the landfill. The process of removing the capping material and spreading the soil exposed potentially soluble material with the more mobile ions being flushed thru. Barium, chloride, and conductivity peaked at SL-1 in 1993 which coincides with the burying of the tire pile and the associated soil disturbance. Barium, chloride, and conductivity peaked at SL-2 in May of 1998 as a result of soil cover being placed over the landfill. These parameters also increased at SL-3. SL-4 located directly east of the excavation for the capping material has an increase in the sulfate value while the chloride concentration decreased. There was little change in the barium or conductivity values which probably relates to the depth of the soil removed. The majority of the soil removed was directly north of SL-3.

- **SL-1** (middle southern landfill boundary) is located in a low-lying area that serves as a major drainage for the landfill. The high groundwater elevations encountered here is the result of local recharge. The barium value peaked in 1993 at 5.9 m/l, which coincides with the burying of the tire pile nearby and associated soil disturbance (chloride and conductivity values also peaked). Nitrate + nitrite as **N** generally exceed the GWPS at this site. The peak value was 47 mg/l in 1994. The only VOC's detected here today are 1,4-dichlorbenzene and cis-1,2 dichloroethene with values close to 1 ug/l.

  LEL readings have decrease from 100% to the mid 60's and occasionally to the mid 30's since the installation of the passive methane extraction system.

  The monitoring well **SL-1** was drilled in 1993 to a depth of 28 ft. through 17 feet of garbage.

- **SL-2** is located in the middle of the eastern boundary of the landfill. Surface runoff from the very northeast portion of the landfill runs past this monitoring well. Precipitation has had an influence on groundwater elevations and the chemical parameters encountered here. This is shown in the 2001 hydrograph and the inorganic chemical data from May 98. Conductivity, barium, and chloride peaked in May 1998 as a result of the soil cover being placed over the landfill.

Tetrachloroethene occasionally exceed the GWPS with values around 5 ug/l. Dichlorodifluoromethane, 1,1,1-trichloroethane, and trichlorofluoromethane are present with values <1ug/l. Chloroform has been detected slightly above 1ug/l at times.

This well was drilled in 1993 to a depth of 56 feet through six feet of garbage (some).

- **SL-3** is located in the northwest corner of the landfill. Capping material for the landfill was removed directly north of this site. The parameters associated with the capping material, chloride, conductivity, and barium, had increased but are declining slightly. The removal of the capping material north of this site has also provided another escape route for methane gas. This is substantiated with the detection of methane gas in this monitoring well in 1997 thru 1999, and by increased VOC's values for tetrachloroethene, 1,1-dichloroethane, and cis-1,2 dichloroethene. Since the installation of the passive methane extraction system tetrachloroethene concentration has stabilized. Other VOC's detected in the past but not increasing are dichlorodifluoromethane, chloroform, benzene, 1,1,1-trichloroethane, trichloroethene, trichlorofluoromethane.

  Tetrachloroethene (8.5 ug/l) and barium both exceed the GWPS. Methylene chloride value has decreased from a high of 59 ug/l (05/2000) to 1.1ug/l.

  The nitrate + nitrite as N value has steadily decreased from 9.2 mg/l in 1993 to <1 mg/l.

  Monitoring well SL-3 was drilled in 1993 to a depth of 89 ft. through five feet of garbage (some).

- **SL-4** is located 200 feet north from the middle of the north landfill boundary. The capping material was removed directly east of this well. The soil removed was close to the surface and there is a gentle slope away from the monitoring well. The only change that occurred when the capping material was removed was that the sulfate concentration increased while the chloride concentration decreased. There was little change in the barium concentration or conductivity value.

  The VOC's detected are the same as SL-3 with the exception of benzene which has not been detected and 1,2-dichloropropane which has been detected.

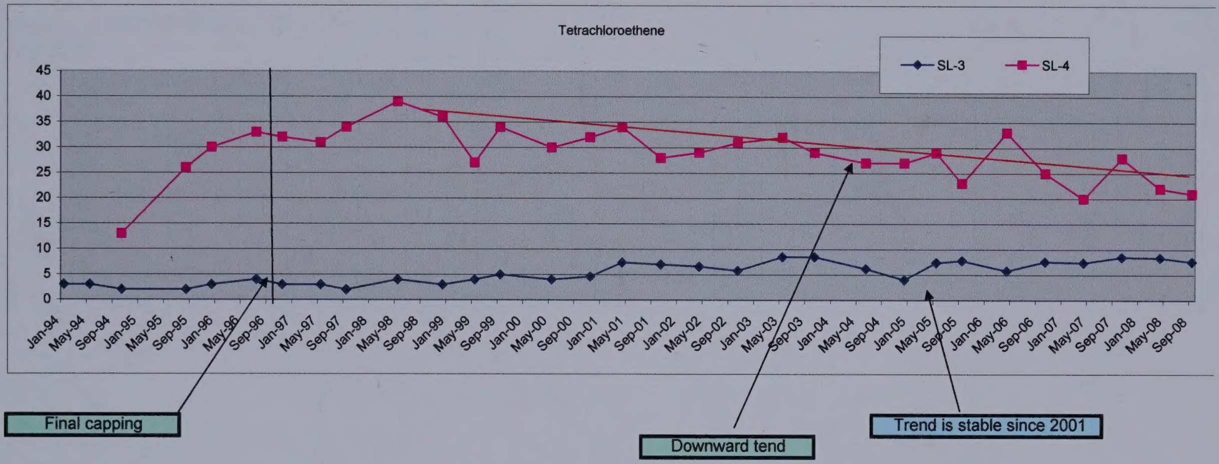
  The parameters that exceed the GWPS are tetrachloroethene and nitrate + nitrite as N. The rise in tetrachloreethene at SL-4 coincides with the capping of the landfill and the removal of the capping material directly north of this site. Tetrachloroethene peaked at 39 ug/l and has decreased approximately 45%.

  SL-4 was drilled in 1994 to a depth of 79.5 ft.

SL-4	Tetrachloroethene	Trichloroethene	Cis-1,2 dichloroethene	Trans-1,2 dichloroethene Vinyl chloride
05/30/98	39	2	2	< 1
10/27/01	28	1	1.2	< 1
4/21/07	20	< 1	<1	<1
9/20/08	21	<1	<1	<1
SL-3				
05/30/98	4	< 1	2	< 1
10/27/01	7.0	1.1	6.9	<1
4/21/07	7.4	1.1	3.3	<1
9/19/08	7.6	1.2	2.9	<1

- **SL-5** located in the northeast corner shows little or no impact. The capping of the landfill may have had slight impact on water quality per slight increase in conductivity and a couple of high chloride values. The drop in conductivity today may be influenced by a change of farming activities and drought conditions. Fields of grain are now hay fields and the soil is no longer tilled allowing less water to percolate through.

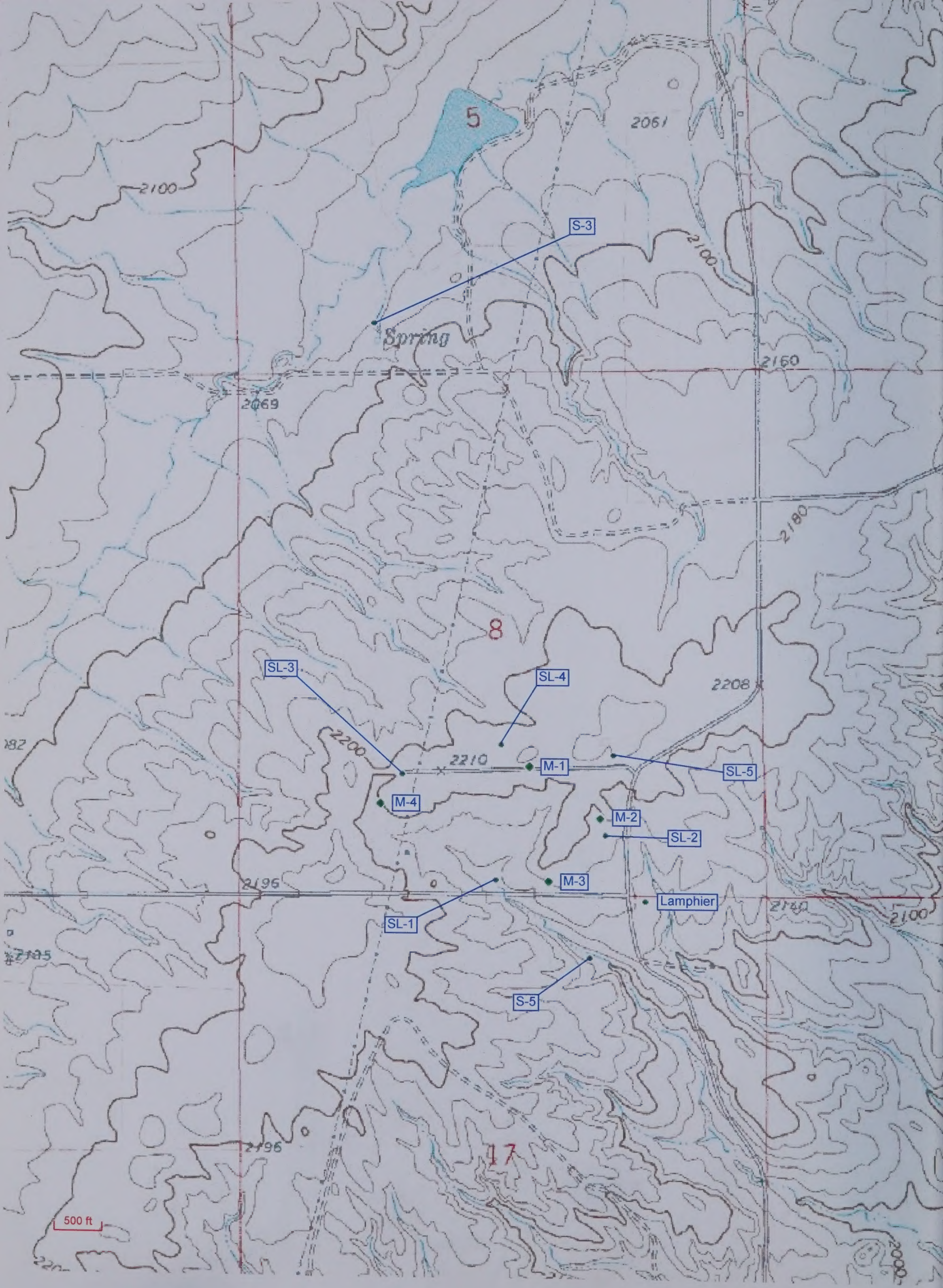
  SL-5 is located 75 ft. north of the landfill and is drilled to a depth of 94 ft.



Final capping

Downward tend

Trend is stable since 2001


5
2061
2100
S-3
Spring
2100
2160
2069
2180
8
2208
SL-3
SL-4
182
2200
2210
M-1
SL-5
M-4
M-2
SL-2
2196
M-3
Lamphier
2140
2100
SL-1
2185
S-5
2196
17
500 ft
2000

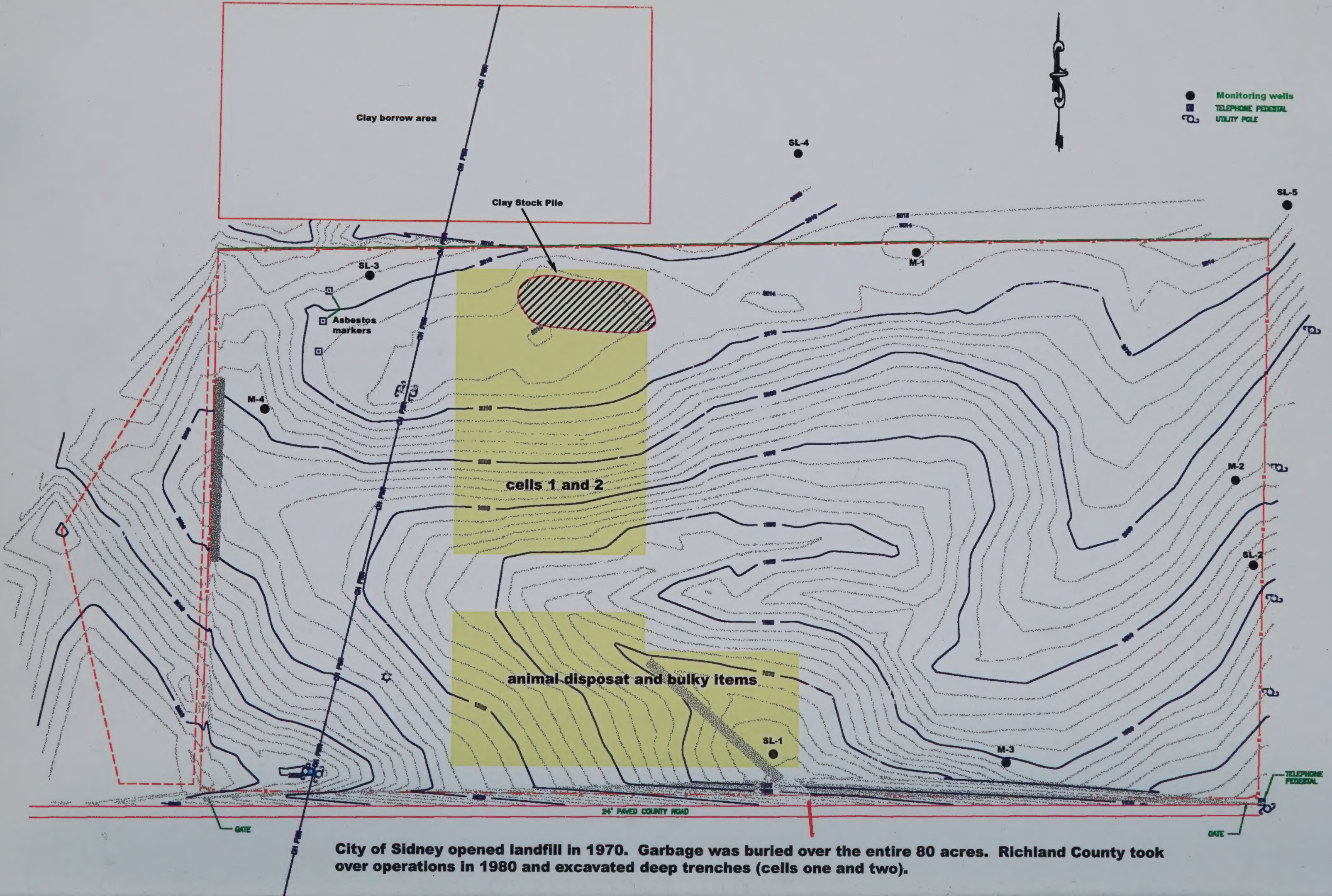
Parameters Exceeding Groundwater Protection Standards

Richland County Landfill # 102 September 2008

PARAMETERS	UNITS	GWPS	SL-1	SL-2	SL-3	SL-4	SL-5
Methylene chloride	ug/l	5*	<1	<1	< 1	<1	<1
Tetrachloroethene	ug/l	5*	<1	**4.7**	**7.6**	**21**	<1
Barium	mg/l	2**	1	0.4	**3.1**	0.1	0.3
Nitrate + nitrite	mg/l	10**	**25.2**	5.23	0.52	**14.1**	0.4

*Maximum Contaminant Level based on EPA Primary Drinking Water Standards

**Human Health Standards based on MT DEQ Circular WQB-7

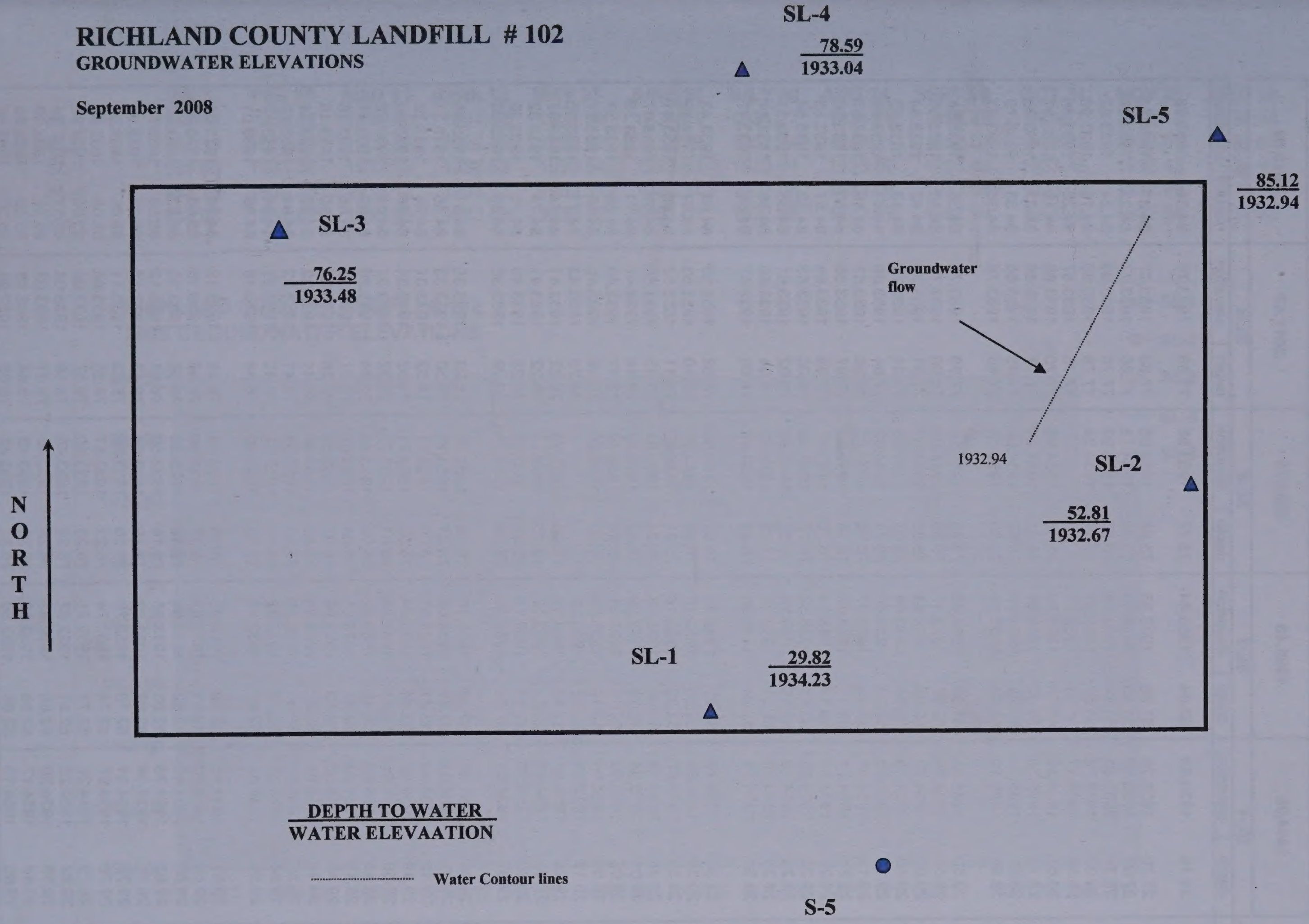

Clay borrow area
Clay Stock Pile
SL-4
SL-5
M-1
SL-3
Asbestos markers
M-4
cells 1 and 2
M-2
SL-2
animal disposat and bulky items
SL-1
M-3
TELEPHONE PEDESTAL
24' PAVED COUNTY ROAD
GATE
GATE
● Monitoring wells
▪ TELEPHONE PEDESTAL
UTILITY POLE

City of Sidney opened landfill in 1970. Garbage was buried over the entire 80 acres. Richland County took over operations in 1980 and excavated deep trenches (cells one and two).

RICHLAND COUNTY LANDFILL # 102

GROUNDWATER ELEVATIONS

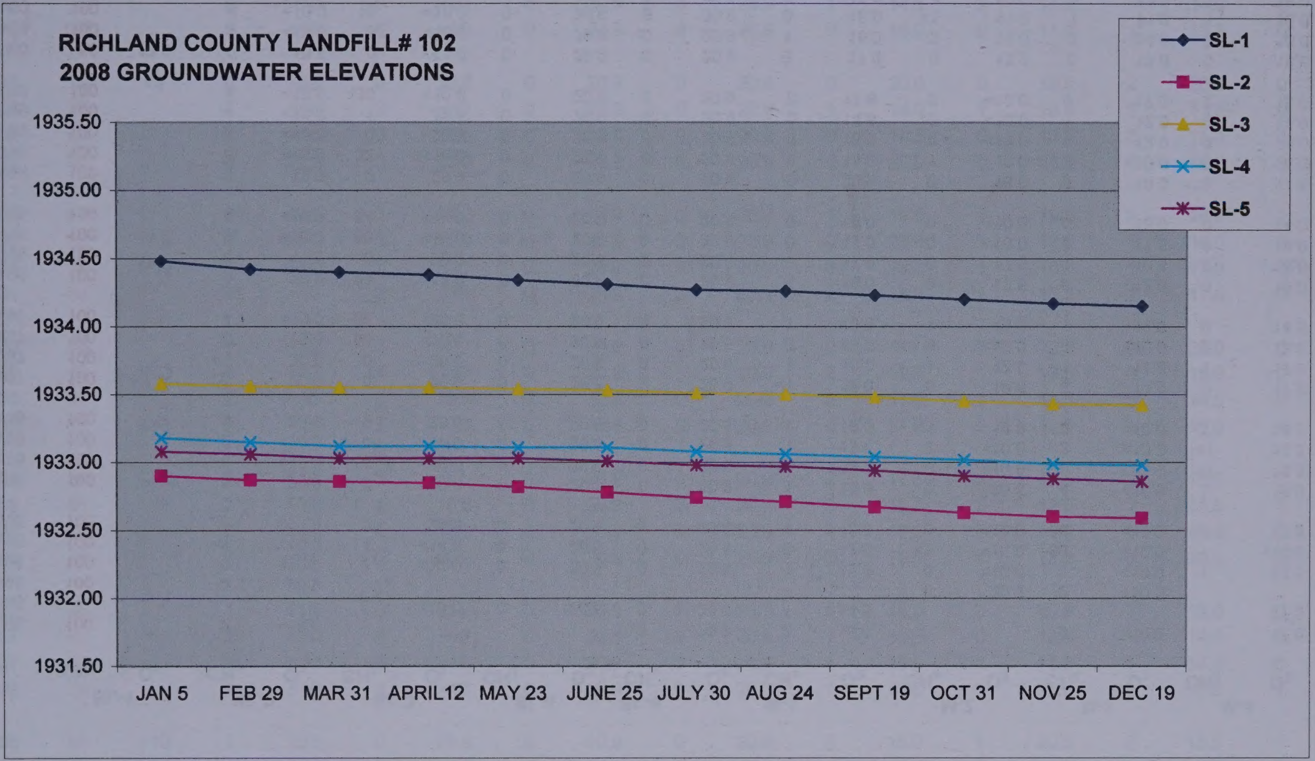
September 2008


SL-4
78.59
1933.04
SL-5
85.12
1932.94
SL-3
76.25
1933.48
Groundwater flow
1932.94
SL-2
52.81
1932.67
NORTH
SL-1
29.82
1934.23
DEPTH TO WATER
WATER ELEVAATION
Water Contour lines
S-5

GROUNDWATER LEVEL DATA - RICHLAND COUNTY LANDFILL # 102

	MEASURING POINT ELEVATION									
	1964.05		1985.48		2009.73		2011.63		2018.06	
	SL-1		SL-2		SL-3		SL-4		SL-5	
date	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation
01/12/04	29.16	1934.89	52.04	1933.44	75.77	1933.96	77.88	1933.75	84.38	1933.68
03/30/04	27.79	1936.26	51.65	1933.83	75.68	1934.05	77.86	1933.77	84.33	1933.73
04/28/04	27.98	1936.07	51.53	1933.95	75.58	1934.15	77.86	1933.77	84.23	1933.83
05/26/04	28.24	1935.81	51.54	1933.94	75.50	1934.23	77.70	1933.93	84.24	1933.82
06/05/04	28.33	1935.72	51.57	1933.91	75.49	1934.24	77.78	1933.85	84.16	1933.90
07/31/04	28.58	1935.47	51.71	1933.77			77.76	1933.87	84.20	1933.86
08/28/04	28.67	1935.38	51.76	1933.72	75.48	1934.25	77.75	1933.88	84.19	1933.87
09/24/04	28.75	1935.30	51.82	1933.66	75.51	1934.22	77.77	1933.86	84.23	1933.83
11/30/04	28.91	1935.14	51.92	1933.56	75.67	1934.06	77.83	1933.80	84.33	1933.73
12/13/04	28.95	1935.10	51.95	1933.53	75.59	1934.14	77.85	1933.78	84.35	1933.71
01/05/05	29.00	1935.05	51.99	1933.49	75.63	1934.10	77.88	1933.75	84.38	1933.68
02/16/05	29.06	1934.99	52.01	1933.47	75.65	1934.08	77.90	1933.73	84.40	1933.66
03/25/05	29.08	1934.97	52.04	1933.44	75.66	1934.07	77.91	1933.72	84.42	1933.64
04/13/05	29.10	1934.95	52.04	1933.44	75.67	1934.06	77.91	1933.72	84.43	1933.63
05/13/05	29.15	1934.90	52.08	1933.40	75.71	1934.02	77.94	1933.69	84.47	1933.59
06/19/05	29.19	1934.86	52.11	1933.37	75.72	1934.01	77.96	1933.67	84.49	1933.57
07/13/05	29.21	1934.84	52.12	1933.36	75.74	1933.99	77.97	1933.66	84.50	1933.56
08/19/05	29.22	1934.83	52.14	1933.34	75.76	1933.97	77.99	1933.64	84.51	1933.55
09/09/05	29.23	1934.82	52.11	1933.37	75.78	1933.95	78.00	1933.63	84.52	1933.54
10/12/05	29.26	1934.79	52.19	1933.29	75.80	1933.93	78.02	1933.61	84.55	1933.51
11/07/05	29.29	1934.76	52.21	1933.27	75.83	1933.90	78.04	1933.59	84.59	1933.47
12/12/05	29.31	1934.74	52.24	1933.24	75.84	1933.89	78.06	1933.57	84.59	1933.47
01/28/06	29.35	1934.70	52.27	1933.21	75.88	1933.85	78.08	1933.55	84.63	1933.43
02/28/06	29.36	1934.69	52.28	1933.20	75.90	1933.83	78.10	1933.53	84.67	1933.39
03/17/06	29.38	1934.67	52.30	1933.18	75.91	1933.82	78.11	1933.52	84.65	1933.41
04/21/06	29.35	1934.70	52.30	1933.18	75.91	1933.82	78.13	1933.50	84.69	1933.37
05/12/06	29.01	1935.04	52.19	1933.29	75.92	1933.81	78.16	1933.47	84.71	1933.35
06/17/06	29.05	1935.00	52.17	1933.31	75.93	1933.80	78.17	1933.46	84.69	1933.37
07/09/06	29.09	1934.96	52.19	1933.29	75.93	1933.80	78.18	1933.45	84.69	1933.37
08/11/06	29.17	1934.88	52.26	1933.22			78.20	1933.43	84.71	1933.35
09/19/06	29.25	1934.80	52.31	1933.17	75.95	1933.78	78.22	1933.41	84.74	1933.32
10/06/06	29.25	1934.80	52.31	1933.17	75.95	1933.78	78.22	1933.41	84.74	1933.32
11/07/06	29.30	1934.75	52.33	1933.15	75.95	1933.78	78.23	1933.40	84.76	1933.30
12/27/06	29.37	1934.68	52.38	1933.10	75.99	1933.74	78.28	1933.35	84.80	1933.26
01/20/07	29.39	1934.66	52.38	1933.10	75.99	1933.74	78.28	1933.35	84.81	1933.25
02/11/07	29.42	1934.63	52.39	1933.09	76.01	1933.72	78.30	1933.33	84.85	1933.21
03/18/07	29.45	1934.60	52.41	1933.07	76.02	1933.71	78.32	1933.31	84.84	1933.22
04/20/07	29.49	1934.56	52.44	1933.04	76.02	1933.71	78.32	1933.31	84.86	1933.20
05/12/07	29.50	1934.55	52.44	1933.04	76.01	1933.72	78.32	1933.31	84.84	1933.22
06/23/07	29.43	1934.62	52.46	1933.02	76.03	1933.70	78.34	1933.29	84.89	1933.17
07/26/07	29.43	1934.62	52.47	1933.01	76.04	1933.69	78.37	1933.26	84.88	1933.18
08/25/07	29.45	1934.60	52.50	1932.98	76.07	1933.66	78.38	1933.25	84.90	1933.16
09/29/07	29.48	1934.57	52.52	1932.96	76.08	1933.65	78.41	1933.22	84.92	1933.14
10/12/07	29.50	1934.55	52.53	1932.95	76.09	1933.64	78.41	1933.22	84.94	1933.12
11/12/07	29.54	1934.51	52.56	1932.92	76.11	1933.62	78.42	1933.21	84.94	1933.12
12/28/07	29.56	1934.49	52.57	1932.91	76.13	1933.60	78.44	1933.19	84.98	1933.01
01/05/08	29.57	1934.48	52.58	1932.90	76.15	1933.58	78.45	1933.18	84.98	1933.08
02/29/08	29.63	1934.42	52.61	1932.87	76.17	1933.56	78.48	1933.15	85.00	1933.06
03/31/08	29.65	1934.40	52.62	1932.86	76.18	1933.55	78.50	1933.13	85.03	1933.03
04/12/08	29.67	1934.38	52.63	1932.85	76.18	1933.55	78.51	1933.12	85.03	1933.03
05/23/08	29.71	1934.34	52.66	1932.82	76.19	1933.54	78.52	1933.11	85.03	1933.03
06/25/08	29.74	1934.31	52.70	1932.78	76.20	1933.53	78.52	1933.11	85.05	1933.01
07/30/08	29.78	1934.27	52.74	1932.74	76.22	1933.51	78.55	1933.08	85.08	1932.98
08/24/08	29.79	1934.26	52.77	1932.71	76.23	1933.50	78.57	1933.06	85.09	1932.97
09/19/08	29.82	1934.23	52.81	1932.67	76.25	1933.48	78.59	1933.04	85.12	1932.94
10/31/08	29.85	1934.20	52.85	1932.63	76.28	1933.45	78.61	1933.02	85.16	1932.90
11/25/08	29.88	1934.17	52.88	1932.60	76.30	1933.43	78.64	1932.99	85.18	1932.88
12/19/08	29.90	1934.15	52.89	1932.59	76.31	1933.42	78.65	1932.98	85.20	1932.86

	JAN 5	FEB 29	MAR 31	APRIL12	MAY 23	JUNE 25	JULY 30	AUG 24	SEPT 19	OCT 31	NOV 25	DEC 19
SL-1	1934.48	1934.42	1934.40	1934.38	1934.34	1934.31	1934.27	1934.26	1934.23	1934.2	1934.17	1934.15
SL-2	1932.90	1932.87	1932.86	1932.85	1932.82	1932.78	1932.74	1932.71	1932.67	1932.63	1932.60	1932.59
SL-3	1933.58	1933.56	1933.55	1933.55	1933.54	1933.53	1933.51	1933.50	1933.48	1933.45	1933.43	1933.42
SL-4	1933.18	1933.15	1933.12	1933.12	1933.11	1933.11	1933.08	1933.06	1933.04	1933.02	1932.99	1932.98
SL-5	1933.08	1933.06	1933.03	1933.03	1933.03	1933.01	1932.98	1932.97	1932.94	1932.9	1932.88	1932.86



RICHLAND COUNTY LANDFILL# 102
2008 GROUNDWATER ELEVATIONS

RICHLAND COUNTY LANDFILL # 102
METHANE MONITORING

	SL-1		SL-2		SL-3		SL-4		SL-5		M-1		M-2		M-3		M-4	
date	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2
03/17/95	100		2	<10.0					0	20.9	2	15.5			2	<10.0	1	17.0
03/21/95					2	<10.0	0	20.5	0	20.9	1	14.5					1	17.5
03/22/95	100		0	20.9									0	20.9	2	<10.0		
06/26/95	100		0	<10.0	2	<10.0	0	20.5	0	20.5	1	14.0	0	<10.0	1	<10.0	1	13.5
08/29/95	100		<1	<10.0	4	<14.5	0	20.5	0	20.5	0	12.5	<1	<10.0	30	<10.0	1	<10.0
10/23/95	100		0	<10.0	0	20.9	0	20.5	0	20.9	1	13.5	0	<10.0	36	<10.0	1	11.5
02/23/96	100		0	20.9	0	20.9	0	20.5	0	20.9	1	15.0	0	20.5	4	<10.0	1	16.0
04/01/96	100		0	<10.0	4	<10.0	0	20.9	0	20.5	<1	12.5	0	<10.0	0	20.9	<1	13.5
07/10/96	100		2	<10.0	0	20.9	0	20.5	0	20.9	1	13.0	2	<10.0	2	<10.0	<1	11.5
10/30/96	100		0	20.9	0	20.9	0	20.9	0	20.5	<1	16.0	<1	16.0	2	<10.0	1	14.5
02/11/97	100		0	20.9	0	20.9	0	20.5	0	20.9	<1	16.0	0	19.5	0	11.0	0	17.0
04/01/97	100		<1	20.0	0	20.9	0	20.9	0	20.9	1	19.0	1	17.0	<1	11.0	1	17.0
09/09/97	100		0	<10.0	56	<10.0	0	20.5	0	20.5	0	13.5	0	<10.0	0	<10.0	0	13.5
10/15/97	100		4	<10.0	52	<10.0	0	20.9	0	20.9	1	15.5	1	10.0	1	12.0	0	14.5
01/06/98	100		0	20.9	23	13.0	0	20.9	0	20.9	1	15.0	0	17.5	0	12.0	0	18.0
04/02/98	100		0	11.5	0	20.9	0	20.9	0	20.5	0	17.0	0	17.0	1	10.5	0	18.0
08/12/98	100		0	<10.0	50	<10.0	0	20.9	0	20.9	0	15.0	0	<10.0	0	11.5	0	14.0
10/28/98	100		0	<10.0	54	<10.0	0	20.9	0	20.9	0	15.0	0	<10.0	0	13.0	0	14.0
01/16/99	100		2	12.0	0	20.9	0	20.9	0	20.9	0	20.9	0	16.0	0	10.0	0	17.5
04/29/99	100		0	<10.0	32	<10.0	0	20.9	0	20.9	0	14.0	1	10.0	2	<10.0	0	14.0
07/28/99	100		2	<10.0	0	20.9	0	20.9	0	20.9	0	13.0	0	<10.0	1	12.0	0	13.0
09/13/99	100		4	<10.0	1	19.5	0	20.9	0	20.9	0	14.5	0	<10.0	1	12.0	0	14.0
11/23/99	100		4	<10.0	30	<10.0	0	20.9	0	20.9	0	17.5	0	<10.0	0	17.0	2	15.0
01/17/00	66	17.0	0	16.5	0	21.0	0	20.9	0	20.9	0	17.0	0	13.0	0	13.0	0	18.0
04/18/00	100		4	<10.0	8	<10.0	0	20.0	0	20.9	1	15.0	2	13.0	2	14.0	2	16.0
07/20/00	100		4	<10.0	10	<10.0	0	20.9	0	20.9	0	15.0	<1	11.0	1	11.0	1	16.0
10/20/00	100		4	<10.0	8	<10.0	0	20.9	0	20.9	2	15.0	4	10.0	2	12.0	2	16.0
01/17/01	100				8	<10.0	0	20.9	0	20.9	4	15.5	4	<10.0	8	<10.0	4	16.5
04/23/01	100		5	13.0	5	15.0	0	20.9	0	20.9	3	15.0	10	<10.0	5	14.0	5	15.5
08/24/01	100		0	20.0	0	13.5	0	20.9	0	20.9	0	15.5	0	20.5	0	13.5	0	14.5
10/25/01	100		0	20.9	0	20.9	0	20.9	0	20.0	0	17.5	0	20.5	2	15.5	1	17.5

RICHLAND COUNTY LANDFILL # 102
METHANE MONITORING

	SL-1		SL-2		SL-3		SL-4		SL-5		M-1		M-2		M-3		M-4	
date	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2	CH_4	O_2
01/05/02	66		0	20.9	0	20.0	0	20.9	0	20.9	1	18.5	0	20.9	1	17.0	1	19.0
04/25/02	100		2	12.5	4	<10	0	20.9	0	20.9	1	17.5	1	16.0	0	16.5	1	17.5
07/23/02	100		2	<10	0	<10	0	20.9	0	20.9	1	14.5	2	11.5	1	14.0	0	16.0
10/25/02	100		0	<10	4	<10	0	20.9	0	20.9	0	16.0	0	11.0	0	13.5	0	17.0
02/19/03	14	19	0	18.0	0	16.5	0	20.9	0	20.9	0	20.0	0	19.0	2	20.0	0	20.0
05/20/03	70		2	<10	2	<10	0	20.9	0	20.9	1	14.0	1	13.0	1	11.0	0	14.0
08/10/03	58		0	<10	0	16.5	0	20.9	0	20.9	0	14.5	0	13.0	0	15.0	0	17.0
11/20/03	100		0	20.0	0	20.0	0	20.9	0	20.9	0	20.0	0	20.0	1	16.0	0	20.0
01/12/04	100		0	19.5	0	20.0	0	20.9	0	20.9	1	19.5	1	19.5	2	16.0	1	19.0
04/28/04	22	17.0	0	20.9	0	20.9	0	20.9	0	20.9	0	20.9	1	19.0	1	16.0	0	18.5
08/28/04	35	17.0	1	14.0	2	<10	0	20.9	0	20.9	0	16.0	1	16.0	1	17.0	0	16.0
11/08/04	66		4	<10	2	<10	0	20.9	0	20.9	2	18.0	1	15.0	1	17.0	0	17.0
01/05/05	80		4	<10	2	<10	0	20.9	0	20.9	0	<10	2	12.0	0	20.0	0	18.5
04/13/05	46	12.0	4	<10	4	<10	0	20.9	0	20.9	2	16.5	1	13.5	0	15.0	0	17.5
07/14/05	36		2	<10	0	20.9	0	20.9	0	20.9	0	17.0	1	14.5	0	14.5	0	17.0
10/12/05	72	<10	2	<10	2	<10	0	20.5	0	20.9	0	17.0	2	12.5	1	15.0	1	17.0
03/03/06	50	12.5	2	11.5	3	12	0	20.9	0	20.9	2	17.5	2	15.5	2	16.0	0	17.0
05/12/06	65		2	10.0	4	10.0	0	20.9	0	20.9	0	16.5	2	12.5	1	11.5	1	17.0
09/19/06	75		0	20.5	6	13.0	0	20.9	0	20.9	4	17.5	5	16.0	0	19.5	6	17.0
11/07/06	78		2	<10	0	20.9	0	20.9	0	20.9	0	19.0	1	18.0	0	20.9	0	20.0
01/20/07	46		1	11.0	0	20.9	0	20.9	0	20.9	0	18.0	0	20.9	2	15.0	0	18.0
05/12/07	65		1	10.0	2	<10	0	20.5	0	20.5	1	15.0	0	13.5	1	14.0	0	17.0
08/25/07	83		2	<10	0	<10	0	20.9	0	20.9	1	15.5	1	11.5	1	14.0	0	16.5
11/12/07	78		2	<10	4	<10	0	20.9	0	20.9	1	16.0	0	12.5	1	12.5	1	16.0
01/04/08	65	<10	1	20.9	0	20.9	0	20.9	0	20.9	2	18.0	1	20.9	2	15.5	1	16.5
05/23/08	34	<10	1	10.5	2	10.5	0	20.9	0	20.9	1	18.0	1	16.5	2	17.0	1	19.0
08/24/08	60		1	11.5	2	<10	0	20.9	0	20.9	0	17.5	1	14.0	0	16.0	0	18.0
12/19/08	34	15	1	10.0	2	<10	0	20.9	0	20.9	2	18	2	16	2	15.0	0	18.0

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Sept 20, 2008 STATION Lamphier

WEATHER ______ WIND ____ @ ____ MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER ______ TOTAL DEPTH ______

WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = ______ GALLONS

COMMENTS Z-Y connectors hooked up to hydrant; removed one hose + sample?

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1225	—	12.0	6.9	607

SAMPLE NATURAL DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 2 - 40 ML VOA VOC HCL

X 1 - ~~250~~ 500 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

V 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

9-19-08 K-cell calibrated to 1413 std.
ph meter slope 96.2
std. 7+9

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Sept. 19, 2008 STATION S-5

WEATHER hazy T= 85 WIND SE @ 15 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER ______ TOTAL DEPTH ______

WELL EXCAVATION DISPOSABLE BAILER ______ OTHER ______

ONE CASING VOLUME = ______ GALLONS X 3 = ______ GALLONS

COMMENTS spring in Beagle's pasture

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1715	dry			

SAMPLE NATURAL DUPLICATE X-CONTAM. TRIP BLANK BLIND

____ 3 – 40 ML VOA VOC HCL

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS No flow,

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Sept 20 / 2008 STATION S-3

WEATHER hazy WIND SE @ 20 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER ____ TOTAL DEPTH ____

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1255	0	12.0	7.10	1095

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 2 – 40 ML VOA	VOC	HCL
X 1 – ~~250~~ 500 ML PLASTIC	NUTRIENTS	H_2SO_4
X 1 – 500 ML PLASTIC	COMMON IONS	NONE
X 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
____ 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Sept 19 / 2008 STATION SL-1

WEATHER hazy T = 85°F WIND SW @ 15 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 29.82 TOTAL DEPTH 31.12

WELL EXCAVATION DISPOSABLE BAILER X OTHER nylon rope

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1745	0			
1810	0.75	11.0	6.8 @ 13.4°C	810

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 2 – 40 ML VOA	VOC	HCL
X 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X 1 – 500 ML PLASTIC	COMMON IONS	NONE
X 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
____ 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Sept 19 2008 STATION SL-2

WEATHER hazy, T=85°F WIND NW @ 10 MPH

CASING TYPE ___ CASING DIAMETER ___ CASING STICKUP ___

MEASURING PT. ___ DEPTH TO WATER 52.81 TOTAL DEPTH 59.06

WELL EXCAVATION DISPOSABLE BAILER ✓ OTHER nylon rope

ONE CASING VOLUME = ___ GALLONS X 3 = ___ GALLONS

COMMENTS ___

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1642	0			
1700	3.25	10.5	6.9	1224

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 2 – 40 ML VOA VOC HCL

X 1 – ~~250~~ 500 ML PLASTIC NUTRIENTS H_2SO_4

✓ 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

___ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ___

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Sept 19, 2008 STATION SL-3

WEATHER hazy, T= 85°F WIND SE @ 15 MPH

CASING TYPE ___ CASING DIAMETER ___ CASING STICKUP ___

MEASURING PT. ___ DEPTH TO WATER 76.25 TOTAL DEPTH 88.07

WELL EXCAVATION DISPOSABLE BAILER X OTHER nylon rope

ONE CASING VOLUME = ___ GALLONS X 3 = ___ GALLONS

COMMENTS ___

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1530	0			
1620	6.0	10.5	6.8 @ 16.4°C	2665

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 2 – 40 ML VOA VOC HCL

✓ 1 – ~~250~~ 500 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

___ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ___

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Sept 20, 2008 STATION SL-4

WEATHER hazy WIND ESE @ 20 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 78.59 TOTAL DEPTH 92.5

WELL EXCAVATION DISPOSABLE BAILER X OTHER nylon rope

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
0920	0			
1020	7	11.0	6.0@	2365
			12.5°C	

SAMPLE [✓ NATURAL] [✓ DUPLICATE] X-CONTAM. TRIP BLANK BLIND

V 2 – 40 ML VOA VOC HCL

V 1 – ~~250~~ 500 ML PLASTIC NUTRIENTS H_2SO_4

x 1 – 500 ML PLASTIC COMMON IONS NONE

V 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME Sept 20, 2008 STATION SL-5

WEATHER hazy WIND SE @ 20 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 85.12 TOTAL DEPTH 97.0

WELL EXCAVATION DISPOSABLE BAILER X OTHER nylon rope

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1055	0			
11.40	6	11.0	6.9@	632
			13.4	

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 2 – 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS H_2O clear

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-007
Client Sample ID: Lamphier

Report Date: 10/08/08
Collection Date: 09/20/08 12:20
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.2	s.u.		0.1		A4500 H	09/23/08 17:39 / clr
Conductivity	633	umhos/cm		1		A2510 B	09/23/08 17:23 / clr
INORGANICS							
Chloride	16	mg/L		1		E300.0	09/29/08 06:58 / qed
Sulfate	24	mg/L		1		E300.0	09/29/08 06:58 / qed
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	3	mg/L		1		E410.4	09/25/08 10:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	09/25/08 14:35 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	09/30/08 03:22 / aje
Barium	0.2	mg/L		0.1		SW6010B	09/24/08 20:56 / rlh
Beryllium	ND	mg/L		0.001		SW6020	09/30/08 03:22 / aje
Copper	ND	mg/L		0.01		SW6020	09/30/08 03:22 / aje
Iron	0.27	mg/L		0.03		SW6010B	09/24/08 20:56 / rlh
Lead	ND	mg/L		0.01		SW6020	09/30/08 03:22 / aje
Nickel	ND	mg/L		0.01		SW6010B	09/24/08 20:56 / rlh
Vanadium	ND	mg/L		0.1		SW6010B	09/24/08 20:56 / rlh
Zinc	1.30	mg/L		0.01		SW6020	09/30/08 03:22 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/26/08 19:58 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	09/26/08 19:58 / lem
Benzene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Bromoform	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Chloroform	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-007
Client Sample ID: Lamphier

Report Date: 10/08/08
Collection Date: 09/20/08 12:20
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
2-Hexanone	ND	ug/L		20		SW8260B	09/26/08 19:58 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/26/08 19:58 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/26/08 19:58 / lem
Methylene chloride	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Styrene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Tetrachloroethene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Toluene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Trichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/26/08 19:58 / lem
Surr: 1,2-Dichloroethane-d4	114	%REC		70-130		SW8260B	09/26/08 19:58 / lem
Surr: Dibromofluoromethane	106	%REC		77-126		SW8260B	09/26/08 19:58 / lem
Surr: p-Bromofluorobenzene	107	%REC		76-127		SW8260B	09/26/08 19:58 / lem
Surr: Toluene-d8	100	%REC		79-122		SW8260B	09/26/08 19:58 / lem

Report Definitions:	RL - Analyte reporting limit. QCL - Quality control limit.	MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-006
Client Sample ID: S-3

Report Date: 10/08/08
Collection Date: 09/20/08 12:55
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.1		A4500 H	09/23/08 17:38 / clr
Conductivity	1120	umhos/cm		1		A2510 B	09/23/08 17:22 / clr
INORGANICS							
Chloride	84	mg/L		1		E300.0	09/29/08 06:23 / qed
Sulfate	193	mg/L		1		E300.0	09/29/08 06:23 / qed
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	8	mg/L		1		E410.4	09/25/08 10:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	09/25/08 14:34 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	09/30/08 03:15 / aje
Barium	0.1	mg/L		0.1		SW6010B	09/24/08 20:52 / rlh
Beryllium	ND	mg/L		0.001		SW6020	09/30/08 03:15 / aje
Copper	ND	mg/L		0.01		SW6020	09/30/08 03:15 / aje
Iron	0.11	mg/L		0.03		SW6010B	09/24/08 20:52 / rlh
Lead	ND	mg/L		0.01		SW6020	09/30/08 03:15 / aje
Nickel	ND	mg/L		0.01		SW6010B	09/24/08 20:52 / rlh
Vanadium	ND	mg/L		0.1		SW6010B	09/24/08 20:52 / rlh
Zinc	ND	mg/L		0.01		SW6020	09/30/08 03:15 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/26/08 19:23 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	09/26/08 19:23 / lem
Benzene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Bromoform	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Chloroform	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-006
Client Sample ID: S-3

Report Date: 10/08/08
Collection Date: 09/20/08 12:55
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
2-Hexanone	ND	ug/L		20		SW8260B	09/26/08 19:23 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/26/08 19:23 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/26/08 19:23 / lem
Methylene chloride	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Styrene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Tetrachloroethene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Toluene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Trichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/26/08 19:23 / lem
Surr: 1,2-Dichloroethane-d4	111	%REC		70-130		SW8260B	09/26/08 19:23 / lem
Surr: Dibromofluoromethane	105	%REC		77-126		SW8260B	09/26/08 19:23 / lem
Surr: p-Bromofluorobenzene	107	%REC		76-127		SW8260B	09/26/08 19:23 / lem
Surr: Toluene-d8	98.0	%REC		79-122		SW8260B	09/26/08 19:23 / lem

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-001
Client Sample ID: SL-1

Report Date: 10/08/08
Collection Date: 09/19/08 18:10
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.3	s.u.		0.1		A4500 H	09/23/08 17:33 / clr
Conductivity	819	umhos/cm		1		A2510 B	09/23/08 17:15 / clr
INORGANICS							
Chloride	7	mg/L		1		E300.0	09/29/08 05:25 / qed
Sulfate	16	mg/L		1		E300.0	09/29/08 05:25 / qed
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	4	mg/L		1		E410.4	09/25/08 10:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	25.2	mg/L		0.05		E353.2	09/25/08 14:23 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	10/01/08 04:28 / aje
Barium	1.0	mg/L		0.1		SW6010B	09/24/08 20:12 / rlh
Beryllium	ND	mg/L		0.001		SW6020	10/01/08 04:28 / aje
Copper	ND	mg/L		0.01		SW6020	09/29/08 19:10 / aje
Iron	ND	mg/L		0.03		SW6010B	09/24/08 20:12 / rlh
Lead	ND	mg/L		0.01		SW6020	10/01/08 04:28 / aje
Nickel	ND	mg/L		0.01		SW6010B	09/24/08 20:12 / rlh
Vanadium	ND	mg/L		0.1		SW6010B	09/24/08 20:12 / rlh
Zinc	0.02	mg/L		0.01		SW6020	09/29/08 19:10 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/26/08 16:25 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	09/26/08 16:25 / lem
Benzene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Bromoform	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Chloroform	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-001
Client Sample ID: SL-1

Report Date: 10/08/08
Collection Date: 09/19/08 18:10
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,4-Dichlorobenzene	1.2	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
cis-1,2-Dichloroethene	1.4	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
2-Hexanone	ND	ug/L		20		SW8260B	09/26/08 16:25 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/26/08 16:25 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/26/08 16:25 / lem
Methylene chloride	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Styrene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Tetrachloroethene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Toluene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Trichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/26/08 16:25 / lem
Surr: 1,2-Dichloroethane-d4	108	%REC		70-130		SW8260B	09/26/08 16:25 / lem
Surr: Dibromofluoromethane	105	%REC		77-126		SW8260B	09/26/08 16:25 / lem
Surr: p-Bromofluorobenzene	101	%REC		76-127		SW8260B	09/26/08 16:25 / lem
Surr: Toluene-d8	101	%REC		79-122		SW8260B	09/26/08 16:25 / lem

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

ENERGY LABORATORIES

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-002
Client Sample ID: SL-2

Report Date: 10/08/08
Collection Date: 09/19/08 17:10
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.6	s.u.		0.1		A4500 H	09/23/08 17:34 / clr
Conductivity	1270	umhos/cm		1		A2510 B	09/23/08 17:16 / clr
INORGANICS							
Chloride	47	mg/L		1		E300.0	09/29/08 05:37 / qed
Sulfate	89	mg/L		1		E300.0	09/29/08 05:37 / qed
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	4	mg/L		1		E410.4	09/25/08 10:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	5.23	mg/L		0.05		E353.2	09/25/08 14:25 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	09/30/08 02:20 / aje
Barium	0.4	mg/L		0.1		SW6010B	09/24/08 20:16 / rlh
Beryllium	ND	mg/L		0.001		SW6020	09/30/08 02:20 / aje
Copper	ND	mg/L		0.01		SW6020	09/30/08 02:20 / aje
Iron	ND	mg/L		0.03		SW6010B	09/24/08 20:16 / rlh
Lead	ND	mg/L		0.01		SW6020	09/30/08 02:20 / aje
Nickel	ND	mg/L		0.01		SW6010B	09/24/08 20:16 / rlh
Vanadium	ND	mg/L		0.1		SW6010B	09/24/08 20:16 / rlh
Zinc	ND	mg/L		0.01		SW6020	09/30/08 02:20 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/26/08 17:01 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	09/26/08 17:01 / lem
Benzene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Bromoform	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Chloroform	1.7	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-002
Client Sample ID: SL-2

Report Date: 10/08/08
Collection Date: 09/19/08 17:10
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
2-Hexanone	ND	ug/L		20		SW8260B	09/26/08 17:01 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/26/08 17:01 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/26/08 17:01 / lem
Methylene chloride	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Styrene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Tetrachloroethene	4.7	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Toluene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
1,1,1-Trichloroethane	0.61	ug/L	J	1.0		SW8260B	09/26/08 17:01 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Trichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Trichlorofluoromethane	0.46	ug/L	J	1.0		SW8260B	09/26/08 17:01 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/26/08 17:01 / lem
Surr: 1,2-Dichloroethane-d4	111	%REC		70-130		SW8260B	09/26/08 17:01 / lem
Surr: Dibromofluoromethane	106	%REC		77-126		SW8260B	09/26/08 17:01 / lem
Surr: p-Bromofluorobenzene	102	%REC		76-127		SW8260B	09/26/08 17:01 / lem
Surr: Toluene-d8	99.0	%REC		79-122		SW8260B	09/26/08 17:01 / lem

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/08/08
Project:	Landfill #102	**Collection Date:**	09/19/08 16:20
Lab ID:	B08092210-003	**DateReceived:**	09/23/08
Client Sample ID:	SL-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / B
PHYSICAL PROPERTIES							
pH	6.6	s.u.		0.1		A4500 H	09/23/08 17:35 / clr
Conductivity	2840	umhos/cm		1		A2510 B	09/23/08 17:17 / clr
INORGANICS							
Chloride	426	mg/L		1		E300.0	09/29/08 05:48 / qed
Sulfate	20	mg/L		1		E300.0	09/29/08 05:48 / qed
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	9	mg/L		1		E410.4	09/25/08 10:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.52	mg/L		0.05		E353.2	09/25/08 14:32 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	09/30/08 02:27 / aje
Barium	3.1	mg/L		0.1		SW6010B	09/24/08 20:20 / rlh
Beryllium	ND	mg/L		0.001		SW6020	09/30/08 02:27 / aje
Copper	ND	mg/L		0.01		SW6020	09/30/08 02:27 / aje
Iron	ND	mg/L		0.03		SW6010B	09/24/08 20:20 / rlh
Lead	ND	mg/L		0.01		SW6020	09/30/08 02:27 / aje
Nickel	ND	mg/L		0.01		SW6010B	09/24/08 20:20 / rlh
Vanadium	ND	mg/L		0.1		SW6010B	09/24/08 20:20 / rlh
Zinc	ND	mg/L		0.01		SW6020	09/30/08 02:27 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/26/08 17:36 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	09/26/08 17:36 / lem
Benzene	0.69	ug/L	J	1.0		SW8260B	09/26/08 17:36 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Bromoform	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Chloroform	1.2	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-003
Client Sample ID: SL-3

Report Date: 10/08/08
Collection Date: 09/19/08 16:20
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,1-Dichloroethane	3.6	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
cis-1,2-Dichloroethene	2.9	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,2-Dichloropropane	0.56	ug/L	J	1.0		SW8260B	09/26/08 17:36 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
2-Hexanone	ND	ug/L		20		SW8260B	09/26/08 17:36 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/26/08 17:36 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/26/08 17:36 / lem
Methylene chloride	0.46	ug/L	J	1.0		SW8260B	09/26/08 17:36 / lem
Styrene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Tetrachloroethene	7.6	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Toluene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,1,1-Trichloroethane	1.7	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Trichloroethene	1.2	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Trichlorofluoromethane	1.0	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/26/08 17:36 / lem
Surr: 1,2-Dichloroethane-d4	112	%REC		70-130		SW8260B	09/26/08 17:36 / lem
Surr: Dibromofluoromethane	103	%REC		77-126		SW8260B	09/26/08 17:36 / lem
Surr: p-Bromofluorobenzene	103	%REC		76-127		SW8260B	09/26/08 17:36 / lem
Surr: Toluene-d8	102	%REC		79-122		SW8260B	09/26/08 17:36 / lem

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/08/08
Project:	Landfill #102	**Collection Date:**	09/20/08 10:20
Lab ID:	B08092210-004	**DateReceived:**	09/23/08
Client Sample ID:	SL-4	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500 H	09/23/08 17:35 / clr
Conductivity	2380	umhos/cm		1		A2510 B	09/23/08 17:18 / clr
INORGANICS							
Chloride	105	mg/L		1		E300.0	09/29/08 06:00 / qed
Sulfate	222	mg/L		1		E300.0	09/29/08 06:00 / qed
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	18	mg/L		1		E410.4	09/25/08 10:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	14.1	mg/L		0.05		E353.2	09/25/08 14:33 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	09/30/08 02:34 / aje
Barium	0.1	mg/L		0.1		SW6010B	09/24/08 20:32 / rlh
Beryllium	ND	mg/L		0.001		SW6020	09/30/08 02:34 / aje
Copper	ND	mg/L		0.01		SW6020	09/30/08 02:34 / aje
Iron	ND	mg/L		0.03		SW6010B	09/24/08 20:32 / rlh
Lead	ND	mg/L		0.01		SW6020	09/30/08 02:34 / aje
Nickel	ND	mg/L		0.01		SW6020	10/01/08 05:23 / aje
Vanadium	ND	mg/L		0.1		SW6010B	09/24/08 20:32 / rlh
Zinc	ND	mg/L		0.01		SW6020	09/30/08 02:34 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/26/08 18:12 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	09/26/08 18:12 / lem
Benzene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Bromoform	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Chloroform	0.77	ug/L	J	1.0		SW8260B	09/26/08 18:12 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem

Report Definitions:

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QCL - Quality control limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

ENERGY LABORATORIES
ENERGY LABORATORIES, INC. * 1120 S 27th St * PO Box 30916 * Billings, MT 59107-0916
Toll Free 800.735.4489 * 406.252.6325 * FAX 406.252.6069 * eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/08/08
Project:	Landfill #102	**Collection Date:**	09/20/08 10:20
Lab ID:	B08092210-004	**DateReceived:**	09/23/08
Client Sample ID:	SL-4	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
1,1-Dichloroethane	0.38	ug/L	J	1.0		SW8260B	09/26/08 18:12 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
cis-1,2-Dichloroethene	0.64	ug/L	J	1.0		SW8260B	09/26/08 18:12 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
1,2-Dichloropropane	0.86	ug/L	J	1.0		SW8260B	09/26/08 18:12 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
2-Hexanone	ND	ug/L		20		SW8260B	09/26/08 18:12 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/26/08 18:12 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/26/08 18:12 / lem
Methylene chloride	0.30	ug/L	J	1.0		SW8260B	09/26/08 18:12 / lem
Styrene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Tetrachloroethene	21	ug/L		10		SW8260B	09/27/08 03:59 / lem
Toluene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
1,1,1-Trichloroethane	0.34	ug/L	J	1.0		SW8260B	09/26/08 18:12 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Trichloroethene	0.65	ug/L	J	1.0		SW8260B	09/26/08 18:12 / lem
Trichlorofluoromethane	0.42	ug/L	J	1.0		SW8260B	09/26/08 18:12 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/26/08 18:12 / lem
Surr: 1,2-Dichloroethane-d4	113	%REC		70-130		SW8260B	09/26/08 18:12 / lem
Surr: Dibromofluoromethane	106	%REC		77-126		SW8260B	09/26/08 18:12 / lem
Surr: p-Bromofluorobenzene	108	%REC		76-127		SW8260B	09/26/08 18:12 / lem
Surr: Toluene-d8	103	%REC		79-122		SW8260B	09/26/08 18:12 / lem

Report Definitions:

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-008
Client Sample ID: Dup

Report Date: 10/08/08
Collection Date: 09/20/08
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
1,1-Dichloroethane	0.38	ug/L	J	1.0		SW8260B	09/26/08 20:34 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
cis-1,2-Dichloroethene	0.65	ug/L	J	1.0		SW8260B	09/26/08 20:34 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
1,2-Dichloropropane	0.87	ug/L	J	1.0		SW8260B	09/26/08 20:34 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
2-Hexanone	ND	ug/L		20		SW8260B	09/26/08 20:34 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/26/08 20:34 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/26/08 20:34 / lem
Methylene chloride	0.36	ug/L	J	1.0		SW8260B	09/26/08 20:34 / lem
Styrene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Tetrachloroethene	21	ug/L		10		SW8260B	09/27/08 04:35 / lem
Toluene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
1,1,1-Trichloroethane	0.34	ug/L	J	1.0		SW8260B	09/26/08 20:34 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Trichloroethene	0.63	ug/L	J	1.0		SW8260B	09/26/08 20:34 / lem
Trichlorofluoromethane	0.42	ug/L	J	1.0		SW8260B	09/26/08 20:34 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Surr: 1,2-Dichloroethane-d4	116	%REC		70-130		SW8260B	09/26/08 20:34 / lem
Surr: Dibromofluoromethane	109	%REC		77-126		SW8260B	09/26/08 20:34 / lem
Surr: p-Bromofluorobenzene	106	%REC		76-127		SW8260B	09/26/08 20:34 / lem
Surr: Toluene-d8	102	%REC		79-122		SW8260B	09/26/08 20:34 / lem

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/08/08
Project:	Landfill #102	**Collection Date:**	09/20/08
Lab ID:	B08092210-008	**DateReceived:**	09/23/08
Client Sample ID:	Dup	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.9	s.u.		0.1		A4500 H	09/23/08 17:40 / clr
Conductivity	2380	umhos/cm		1		A2510 B	09/23/08 17:24 / clr
INORGANICS							
Chloride	105	mg/L		1		E300.0	09/29/08 07:10 / qed
Sulfate	223	mg/L		1		E300.0	09/29/08 07:10 / qed
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	17	mg/L		1		E410.4	09/25/08 10:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	13.9	mg/L		0.05		E353.2	09/25/08 14:36 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	09/30/08 03:29 / aje
Barium	0.1	mg/L		0.1		SW6010B	09/24/08 21:00 / rlh
Beryllium	ND	mg/L		0.001		SW6020	09/30/08 03:29 / aje
Copper	ND	mg/L		0.01		SW6020	09/30/08 03:29 / aje
Iron	ND	mg/L		0.03		SW6010B	09/24/08 21:00 / rlh
Lead	ND	mg/L		0.01		SW6020	09/30/08 03:29 / aje
Nickel	ND	mg/L		0.01		SW6010B	09/24/08 21:00 / rlh
Vanadium	ND	mg/L		0.1		SW6010B	09/24/08 21:00 / rlh
Zinc	ND	mg/L		0.01		SW6020	09/30/08 03:29 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/26/08 20:34 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	09/26/08 20:34 / lem
Benzene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Bromoform	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Chloroform	0.82	ug/L	J	1.0		SW8260B	09/26/08 20:34 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 20:34 / lem

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-005
Client Sample ID: SL-5

Report Date: 10/08/08
Collection Date: 09/20/08 11:40
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.3	s.u.		0.1		A4500 H	09/23/08 17:38 / clr
Conductivity	685	umhos/cm		1		A2510 B	09/23/08 17:21 / clr
INORGANICS							
Chloride	7	mg/L		1		E300.0	09/29/08 06:11 / qed
Sulfate	25	mg/L		1		E300.0	09/29/08 06:11 / qed
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	11	mg/L		1		E410.4	09/25/08 10:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.40	mg/L		0.05		E353.2	09/25/08 14:28 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	09/30/08 03:08 / aje
Barium	0.3	mg/L		0.1		SW6010B	09/24/08 20:40 / rlh
Beryllium	ND	mg/L		0.001		SW6020	09/30/08 03:08 / aje
Copper	ND	mg/L		0.01		SW6020	09/30/08 03:08 / aje
Iron	0.08	mg/L		0.03		SW6010B	09/24/08 20:40 / rlh
Lead	ND	mg/L		0.01		SW6020	09/30/08 03:08 / aje
Nickel	ND	mg/L		0.01		SW6010B	09/24/08 20:40 / rlh
Vanadium	ND	mg/L		0.1		SW6010B	09/24/08 20:40 / rlh
Zinc	ND	mg/L		0.01		SW6020	09/30/08 03:08 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/26/08 18:47 / lem
Acrylonitrile	ND	ug/L		20		SW8260B	09/26/08 18:47 / lem
Benzene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Bromoform	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Bromomethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Chloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Chloroform	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Chloromethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Dibromomethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-005
Client Sample ID: SL-5

Report Date: 10/08/08
Collection Date: 09/20/08 11:40
DateReceived: 09/23/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
2-Hexanone	ND	ug/L		20		SW8260B	09/26/08 18:47 / lem
Iodomethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/26/08 18:47 / lem
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/26/08 18:47 / lem
Methylene chloride	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Styrene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Tetrachloroethene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Toluene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Trichloroethene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
o-Xylene	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/26/08 18:47 / lem
Surr: 1,2-Dichloroethane-d4	108	%REC		70-130		SW8260B	09/26/08 18:47 / lem
Surr: Dibromofluoromethane	104	%REC		77-126		SW8260B	09/26/08 18:47 / lem
Surr: p-Bromofluorobenzene	107	%REC		76-127		SW8260B	09/26/08 18:47 / lem
Surr: Toluene-d8	100	%REC		79-122		SW8260B	09/26/08 18:47 / lem

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$NO_3 + NO_2$ as N	Cyanide	COD
06/23/93	1755	16.5	627	531	7.5	7.3	43	20	.57	.005 U	56
06/21/95	0845	10.0	321	307	8.5	8.4	17	4	.04 F	.005 U	5 F
08/01/95	1830	11.0		320		8.5					
12/19/95	1730	7.5	354	370	8.4	8.8	19	4	.05 U		5 F
09/13/97	1540	17.0	384	440	8.0	8.1	30	4	.05 U		5 F
05/30/98	1540	11.0	398	430	7.9	7.6	22	10	.31		5 U
12/13/98	1350	12.0	410	480	7.8	6.8	36	8	.05 U	.005 U	5 U
05/21/99	1545	9.5	377	400	7.9	7.9	24	8	.13	.005 U	5 U
09/25/99	1215	14.0	379	530	7.8	6.9	21	6	.17		5 U
05/27/00	1545	10.0	574	630	7.6	7.6	36	8	.05 J	.005 M	5 F
11/20/00	0930	10.0	478	500	7.9		26	8	.13		
04/28/01	1430	11.0	780	830	7.3	7.3	36	15	.84	.005 U	13
10/27/01	1515	11.0	677	730	7.3		33	13	.05 U		
04/27/02	1815	9.0	733	780	7.4	6.6	32	14	.05 U	.005 U	4
10/26/02	1215	10.0	676	700	7.5	6.9	25	12	.11		7
05/31/03	1040	10.0	792	830	7.2	7.5	30	16	.06	.005 U	1 U
10/04/03	1030	12.0	678	780	7.1	6.6	26	14	.05		1 U
06/06/04	1730	10.0	994	1000	7.2	6.7	35	25	.05 U	.005 U	2
12/03/04	1110	8.5	841	910	6.9	7.5	31	21	.05 U		3
05/15/05	1800	10.0	860	820	7.3	7.4	31	23	.05 U	.005 U	3
09/10/05	1535	10.5	984	1026	7.6	7.4	34	29	.05 U		1
10/09/06	1050	10.0	1150	1164	7.2	7.0	26	38	.05 U		4
04/21/07	1750	8.0	747	720	7.4	7.3	25	19	.51	.005 U	2
10/13/07	1020	18.0	1000	1036	6.9	7.1	28	33	.05 U		4
04/13/08	1550	8.0	641	568	7.4	7.7	18	17	.20	.005 U	10
09/20/08	1225	12.0	633	607	7.2	6.9	24	16	.05 U		3

LAMPHIER RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
06/23/93	.01 U	.008	.30	.002 U	.0005 U	.002 U	.005 U	.001 U	.74	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
06/21/95	.002 U	.005 U	.11	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
12/19/95	.002 U		.11	.002 U				.001 U	.05 J	.002 U		.02 U				.05 U	.06
09/13/97	.003 U		.12	.001 U				.002	.05 U	.003 U		.02 U				.05 U	.70
05/30/98	.003 U	.005 U	.14	.001 U	.0001 U	.001 U	.001 U	.002	.05J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.61
12/13/98	.003 U		.16	.001 U				.007	.05 J	.003 U		.02 U				.05 U	.42
05/21/99	.003 U	.005 U	.15	.001 U	.0001 U	.001 U	.002 U	.004	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.43
09/25/99	.003 U		.15	.001 U		.002			.06	.003 U		.02 J				.05 U	.32
05/27/00	.003 U	.005 U	.21	.001 U	.0001 J	.005 J	.002 J	.005 U	.28	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 U	.21
11/20/00	.05 U		.20	.001 U				.02	.14	.01 U		.01 U				.1 U	.58
04/28/01	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.55 F	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.27
10/27/01	.05 U		.3	.001 U				.01 U	.35	.01 U		.01 U				.1 U	.54
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.24	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.69
10/26/02	.05 U		.3	.001 U				.02	1.70	.01 U		.01 U				.1 U	.68
05/31/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.27	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.53
10/04/03	.05 U		.3	.001 U				.01 U	.25	.01 U		.01 U				.1 U	.86
06/06/04	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.85	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.44
12/03/04	.05 U		.4	.001 U				.01 U	.54	.01 U		.01 U				.1 U	.71
05/15/05	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.70	.01 U	.001 U	.01 U	.005 U	.005 U	.1	.1 U	.74
09/10/05	.05 U		.5	.001 U				.01 U	.79	.01 U		.01 U				.1 U	.52
10/09/06	.05 U		.5	.001 U				.01 U	.89	.01 U		.01 U				.1 U	1.54
04/21/07	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.73
10/13/07	.05 U		.5	.001 U				.01 U	.94	.01 U		.01 U				.1 U	1.95
04/13/08	.005 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.78
09/20/08	.005 U		.2	.001 U				.01 U	.27	.01 U		.01 U				.1 U	1.30

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RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 U	5 U	1 U
12/19/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/20/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/15/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

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ORGANICS - TABLE ONE LIST

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RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/19/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/20/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/06/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/15/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

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RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/19/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/20/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/15/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	Cyanide	COD
02/10/93	0745	1.0	380	345	7.1	7.0	24	4	.73	.005 U	5 U
06/23/93	650	12.5	358	464	7.8	7.0	21	2	.20	.005 U	5 U
01/04/94	1635	3.0	398	275	7.4	7.0	19	3	1.47	.005 U	5
05/11/94	1900		357 J		8.1		22	4	.82	.005 U	5 F
10/18/94	1615	10.0		301	7.7	8.0	21	4	.47	.005 U	7
06/21/95	1530	17.0	349	360	8.0 H	7.5	21	4	.68 F	.005 U	5 F
08/01/95	1625	16.0		390		7.6					
12/20/95	1500	5.0	371	390	7.8	7.5	19	4	.72		5 F
07/14/96	1650	14.0	383	400	7.7	7.6	21	18 F	.33	.005 U	5 U
11/24/96	1530		362	420	7.8	8.0	23	3	.17	.005 U	5 U
05/17/97	1715	10.0	361	400	7.8	7.8	20	2	.34	.005 U	5 U
09/13/97	1520	14.0	362	410	7.6	7.7	25	4	.24		20
05/29/98	1645	10.5	367	380	7.7	8.0	16	17	.18		5 U
12/13/98	1100	7.5	333	390	7.7	6.8	22	6	.62	.005 M	5 U
05/22/99	1130	12.0	326	360	7.7	6.9	17	4	.19	.005 M	5 U
09/25/99	1045	11.0	372	420	7.7	6.7	23	4	.16		7
05/27/00	1315	13.0	359	400	7.5	7.6	26	5	.24	.005 M	13 F
11/16/00	1415	6.0	369	430	7.9	7.4	21	5	.42		
04/28/01	1300	9.0	441	420	7.3	7.6	21	5	.52	.005 U	10
10/26/01	1730	9.0	338	370	7.5		17	5	.51		
04/27/02	1250	7.0	355	380	7.7	6.6	17	5	.75	.005 U	5
DUP			353		7.7		17	5	.74	.005 U	4
10/26/02	1055	9.0	393	420	7.6	7.3	15	5	.59		1 U
05/31/03	0945	10.5	401	420	7.4	7.5	18	5	.23	.005 U	1 U
10/04/03	0930	10.5	375	400	7.2	7.3	16	5	.29		1 U
06/05/04	1800	13.0	381	430	7.6	7.8	20	5	.16	.005 U	3
12/02/04	1545	7.0	359	405	7.2	7.5	17	6	.59		3
05/14/05	0840	8.0	363	400	7.8	6.8	18	6	.51	.005 U	1
09/10/05	1110	12.5	373	365	7.7	7.0	19	7	.18		2

S-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$NO_3 + NO_2$ as N	Cyanide	COD
10/09/06	0935	9.0	394	388	7.5	6.9	20	6	.36		1 U
10/09DUP			398		7.5		20	6	.36		2
04/21/07	0815	7.5	400	387	7.6		20	7	.76	.005 U	2
04/21/DUP			399		7.5		19	7	.75	.005 U	2
10/13/07	0920	9.0	407	393	7.3	7.5	19	7	.38		2

S-5 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

S-5 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/10/93	.05 U	.002 U	.30	.005 U	.005 U	.02 U	.050 U	.020 U	.05 U	.004 U	.0002 U	.02 U	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	.35	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.003	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.05 F
01/04/94	.01 J	.005 U	.30	.002 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.01	.005 U	.30	.002 J	.0005 U	.002 J	.005 U	.002 F	.05 J	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 U
10/18/94	.005 F	.005 U	.29	.002 U	.0005 U	.002 U	.005 U	.007 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 U
06/21/95	.002 U	.005 U	.34	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 J
12/20/95	.002 U		.30	.002 U				.001 U	.05 U	.002 U		.02 U				.05 U	.02 U
07/14/96	.004 U	.005 U	.31	.002 U	.011 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/24/96	.002 U	.005 U	.28	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.32	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02 U
09/13/97	.003 U		.33	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02
05/29/98	.003 U	.005 J	.30	.001 U	.0002	.001 U	.001 U	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		.31	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 U
05/22/99	.003 U	.005 U	.30	.001 U	.0001 U	.001 U	.002 U	.001 J	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/25/99	.003 U		.32	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.30	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 B	.005 J	.0005 M	.002 U	.05 U	.02 U
11/16/00	.05 U		.30	.001 U				.01 U	.03 U	.01 U		.01				.1	.01
04/28/01	.05 U	.005 U	1.1	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/01	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
DUP	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/31/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/04/03	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/09/06	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/9DUP	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
4/21/DUP	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/13/07	.05 U		.3	.001 U				.01 U	R	.01 U		.01 U				.1 U	.01 U

S-5 **TRACE METALS**

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/10/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/18/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 J	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/24/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/29/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 **ORGANICS - TABLE ONE LIST**

S-5

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/10/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/04/94	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/18/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/24/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/29/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/06DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

S-5 ORGANICS - TABLE ONE LIST

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/10/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
01/04/94	50 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/18/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/24/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/29/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 **ORGANICS - TABLE ONE LIST**

S-3

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity umhos/cm		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
			lab	field	lab	field					
06/23/93	0745	9.9	1280	1242	7.5	6.7	116	186	.18	.005 U	6
12/20/95	1415	7.5	1260	1180	8.0 H	R	160	157	.05 U		12 F
07/14/96	1830	13.0	1200	1280	7.3	7.1	166	252 F	.05 U	.005 U	8
11/24/96	1610		1210	1300	7.2	7.8	185	140	.05 U	.005 U	6
05/17/97	1600	13.0	1210	1280	7.2	7.1	188	143	.05 U	.005 U	7
09/13/97	1430	14.0	1200	1250	7.2	7.3	152	143	.05 U		7 F
05/29/98	1735	12.0	1200	1250	7.2	7.0	161	155	.05 J		5 U
12/13/98	1300	9.0	1110	1240	7.3	6.6	147	126	.05 U	.005 M	5 U
12/13/98 D			1150		7.3		148	130	.05 U		5
05/22/99	1345	12.0	1160	1240	7.2	6.8	155	123	.05 U	.005 M	5
09/25/99	1330	12.0	1100	1170	7.3	6.6	130	112	.05 U		8
05/27/00	1430	15.0	1130	1200	7.3	7.2	165	125	.05 J	.005 M	10 F
11/16/00	1540	8.0	1090	1240	7.6	6.4	159	130	.05 U		
04/28/01	1330	14.0	1190	1250	7.1	7.2	166	134	.05 U	.005 U	10
10/26/01	1800	9.0	1070	1200	7.2		155	130	.05 U		
04/27/02	1330	7.0	1140	1250	7.4	6.3	147	129	.05 U	.005 U	7
10/26/02	1130	10.0	1180	1190	7.5	6.3	143	119	.05 U		14
05/31/03	0850	9.5	1200	1220	7.2	7.1	159	114	.05 U	.005 U	2
10/04/03	0830	9.0	1100	1200	7.3	7.0	167	118	.05 U		4
06/06/04	1700	10.0	1070	1190	7.3	7.0	180	94	.05 U	.005 U	8
12/03/04	1130	9.0	1080	1200	7.1	7.2	164	102	.05 U		8
05/14/05	0920	8.0	1120	1210	7.4	7.0	178	106	.05 U	.005 U	7
09/10/05	1500	14.0	1120	1141	7.5	7.2	169	106	.05 U		8
04/22/06	0930	10.5	1040	1148	7.6	7.2	192	104	.05 U	.005 U	7
10/09/06	1015	9.0	1170	1152	7.2	7.0	172	117	.05 U		5
04/21/07	1703	10.0	1180	1146	7.2	7.2	174	113	.05 U	.005 U	8
10/13/07	1005	9.5	1170	1135	7.0	7.2	178	101	.05 U		7

S-3 **PHYSICALL PARAMETERS, IONS, & NUTRIENTS**

S-3 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity umhos/cm		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
			lab	field	lab	field					
04/13/08	1230	10.5	1110	1114	7.3	7.4	179	93	.05 U	.005 U	10
4/13/DUP			1120		7.2		179	93	.05 U	.005 U	12
09/20/08	1255	12.0	1120	1095	7.0	7.1	193	84	.05 U		8

S-3 **PHYSICALL PARAMETERS, IONS, & NUTRIENTS**

S-3 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
06/23/93	.01 U	.005 U	.20	.002 U	.0005 U	.002 U	.005 U	.001 U	.17	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
12/20/95	.002 U		.14	.002 U				.001 U	.26	.002 U		.02 J				.05 U	.02 U
07/14/96	.004 U	.005 U	.15	.002 U	.002 F	.002 U	.005 U	.001 U	.17	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/24/96	.004 U	.005 U	.14	.001 U	.0005 U	.002 U	.005 U	.001 U	.11	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.15	.001 U	.0005 U	.002 U	.005 U	.001 U	.08	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.06
09/13/97	.003 U		.16	.001 U				.001 U	.10	.003 U		.02 J				.05 U	.04
05/29/98	.003 U	.005 U	.14	.001 U	.0001 U	.001 U	.001 U	.001 U	.11	.003 U	.0002 U	.04	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		.14	.001 U				.001 U	.11	.003 U		.02 U				.05 U	.02 J
12/13/98	.003 U		.15	.001 U				.001 U	.12	.003 U		.02 U				.05 U	.03
05/22/99	.003 U	.005 J	.14	.001 U	.0001 U	.001 U	.002 U	.002	.11	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/25/99	.003 U		.12	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/27/00	.003 J	.005 J	.13	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 J	.003 U	.0002 M	.02 J	.005 U	.0002 M	.002 U	.05 U	.02 U
11/16/00	.05 U		.10	.001 U				.01 U	.12	.01 U		.01 U				.1 U	.01 J
04/28/01	.05 U	.005 U	.1	.001 U	.001 U	.01 J	.01 U	.01 U	.08 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01
10/26/01	.05 U		.2	.001 U				.01 J	.16	.01 U		.01 J				.1 U	.01 U
04/27/02	.05 U	.005 U	.1 U	.001 U	.001 U	.01 U	.01 U	.01 U	.09	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.1	.001 U				.01 U	.15	.01 U		.01				.1 U	.01 U
05/31/03	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.12	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/04/03	.05 U		.1	.001 U				.01 U	.23	.01 U		.01 U				.1 U	.01 U
06/06/04	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.12	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.1	.001 U				.01 U	.15	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.14	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.1	.001 U				.01 U	.16	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.20	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.2	.001 U				.01 U	.47	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.17	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/13/07	.05 U		.1	.001 U				.01 U	.24	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.20	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
4/13/DUP	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.25	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.1	.001 U				.01 U	.11	.01 U		.01 U				.1 U	.01 U

S-3 TRACE METEALS

S-3 RICHLAND COUNTY LANDFILL - 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/24/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/29/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
12/13/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4/13/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-3 ORGANICS - TABLE ONE LIST

S-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane	MEK
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U	50 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	20 U
07/14/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
11/24/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 J
05/29/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
12/13/98 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U	20 U
11/16/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
06/06/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
4/13/DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U

Date	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
06/23/93	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/14/96	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/24/96	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/29/98	20 U	5 U	1 U	1 U	1 U	1 U	1 B	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98 D	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4/13/DUP	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1050	24.92	11.5	1170	1202	6.5	6.6	27	25	1.24	.005 U	27
06/23/93	1200	23.55	11.5	1780	1650	6.8	6.6	19	153	.60	.005 U	105
01/04/94	1515	23.42	10.0	538	498	6.7	7.0	27	16	10.6	.005 U	19
05/11/94	1445	23.31		605 F		6.8		56	15	4.7	.005 U	70 F
05/11/94 D				398 F		6.8		49	17	4.6	.005 U	141 F
10/19/94	1500	23.33	11.0	821	717	7.4	6.6	27	14	47	.005 U	88
06/21/95	1405	28.01	11.0	936	793	6.7	6.6	28	11	14.6 F	.005 U	66 F
08/01/95	1815	27.71	11.5		940		6.5					
12/20/95	1545	28.15	11.0	1050	1050	6.7	6.6	21	12	35		171 F
07/13/96	1150	28.43	11.0	1210	1350	6.6	6.6	25	38 F	22	.005 U	89
11/23/96	1050	28.62	7.0	1340	1450	6.8	6.7	25	15	42	.005 U	126
05/17/97	1015	27.74	11.0	1270	1290	6.6	6.4	23	15	26	.005 U	50
09/12/97	1820	27.95	12.0	1170	1220	6.7	6.5	41	9	25		36 F
05/30/98	1430	27.88	11.0	1250	1300	6.7	6.6	28	17	17.6		20
12/13/98	1155	28.39	11.0	960	1030	6.6	6.2	21	6	12	.005 M	14
05/21/99	1655	27.96	11.5	1060	1130	6.7	7.0	27	9	12	.005 M	22
05/21/99 D				1070		6.7		28	9	13	.005 M	27
09/23/99	1350	28.30	12.0	1220	1240	6.6	6.6	27	12	21.5		20
05/27/00	1240	28.77	11.0	1110	1220	6.8	7.0	28	12	27.5	.005 M	35 F
11/16/00	1245	28.95	9.0	R	1150	6.9	6.4	22	10	39.9		
04/28/01	1220	27.01	13.0	1220	1330	6.5	6.9	35	8	2.82	.005 U	21
10/26/01	1700	27.99	9.5	874	1010	6.7		22	7	7.00		
04/26/02	1830	28.45	10.5	1220	1330	6.8	6.5	23	10	9.97	.005 U	12
10/26/02	0815	28.67	9.5	1140	1170	6.8	6.9	18	7	29.8		1 U
05/31/03	0630	28.93	10.5	949	980	6.6	6.7	15	6	16.2	.005 U	2
10/03/03	1800	29.06	12.0	824	920	6.5	6.5	15	6	20.2		4
06/05/04	1720	28.33	11.0	1290	1420	6.8	6.7	45	14	12.8	.005 U	19
12/02/04	1520	28.91	9.5	1050	1180	6.5	6.9	24	8	11.8		16
05/13/05	1415	29.15	11.0	848	880	6.8	7.0	16	4	19.9	.005 U	13
09/09/05	1815	29.23	11.5	845	849	6.9	7.4	20	5	22.3		22

SL-1 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/22/06	0930	29.35	12.0	721	804	6.9	7.2	16	4	13.1	.005 U	8
10/07/06	1205	29.25	11.5	891	857	6.7	7.2	21	5	16.8		20
04/21/07	0910	29.49	10.0	1010	984	6.7	6.8	22	6	31.4	.005 U	13
10/13/07	1058	29.50	10.0	921	898	6.5	7.0	19	5	30.7		9
04/12/08	1550	29.67	11.0	918	916	6.6	7.0	23	5	25.5	.005 U	27
09/19/08	1810	29.82	11.0	819	810	6.3	6.8	16	7	25.2		4

SL-1

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.003	3.30	.005 U	.0005 U	.02 U	.05 U	.02 U	.56	.004 U	.0002 U	.02	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	5.90	.002 U	.0005 U	.002 U	.008	.003	.05 U	.002 U	.0005 U	.05	.005 U	.0002 U	.01 U	.05 U	.05 F
01/04/94	.01 J	.005 U	1.60	.004 M	.0005 U	.002 U	.005 U	.001	.05 J	.002 U	.0002 U	.02	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.003	.005 J	0.30	.002 J	.0012	.002 U	.005 J	.005 F	.11	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 J
05/11/94 D	.002 U	.005 J	0.30	.002 J	.0011	.002 U	.005 J	.002 F	.14	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.008 F	.005 U	0.76	.002 U	.0005 U	.002 U	.005 J	.011 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02
06/21/95	.002 U	.005 U	1.05	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02	.005 U	.0002 U	.002 U	.05 J	.05
12/20/95	.002 U		1.23	.002 U				.002	.05 J	.005 U		.02				.05 U	.02 U
07/13/96	.004 U	.005 U	1.72	.002 U	.003 F	.002 U	.005 J	.002	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/23/96	.002 U	.005 U	1.65	.001 U	.0005 U	.002 U	.005 J	.001 U	.05 J	.001 U	.0002 U	.03	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	2.04	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 J	.005 U	.0005 U	.002 U	.05 U	.02 J
09/12/97	.003 U		1.76	.001 U				.001	.05 U	.003 U		.02 U				.05 U	.04
05/30/98	.003 U	.005 U	1.92	.001 U	.0002	.001 U	.001	.001	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		1.53	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02
05/21/99	.003 U	.005 U	1.70	.001 U	.0001 U	.001 U	.002 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
05/21/99 D	.003 U	.005 U	1.65	.001 U	.0001 U	.001 U	.002 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/23/99	.003 J		1.79	.001 U				.001	.05 U	.003 U		.02 J				.05 J	.02 U
05/27/00	.003 U	.005 J	1.66	.001 U	.0001	.005 J	.002 J	.005 J	.05 U	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 U	.02 U
11/16/00	.05 U		1.50	.001 U				.01 U	.03 U	.01 U		.03				.1 J	.02
04/28/01	.05 U	.005 U	2.0	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01	.005 U	.005 U	.1 U	.1 U	.01
10/26/01	.05 U		1.5	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01 U
04/26/02	.05 U	.005 U	1.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		1.5	.001 U				.01 U	.03 U	.01 U		.01				.1 U	.01 U
05/31/03	.05 U	.005 U	1.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		1.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	1.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		1.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	1.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		1.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	1.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/07/06	.05 U		1.2	.001 U				.01 U	.04	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	1.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.02
10/13/07	.05 U		1.3	.001 U				.01 U	.18	.01 U		.01 U				.1 U	.02
04/12/08	.005 U	.005 U	1.0	.001 U	.001 U	.01 U	.01 U	.01 U	.09	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	0.01 U
09/19/08	.005 U		1.0	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.02

SL-1 TRACE METALS

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	11	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
05/30/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/21/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1 **ORGANICS - TABLE ONE LIST**

SL-1 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1 ORGANICS - TABLE ONE LIST

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	9	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	8	5 U	1 U	1 U	2 U	1 U	31	1 U	1 U	1 U	1 U	5	25 U	10 U
01/04/94	2 U	1 U	2	5 U	1	1 U	2 U	1 U	2	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 J	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 M	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	3.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	2.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/12/08	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-1 **ORGANICS - TABLE ONE LIST**

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1
01/04/94	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
05/30/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-2

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
02/09/93	1715	49.80	11.5	1410		6.6	6.7	50	22	9	.005 U	16
06/23/93	1700	49.35	12.5	1460	1360	7.0	6.8	45	18	6.6	.005 U	8
01/05/94	1230	48.43	9.5	1420	1035	7.3	7.2	26	40	7.7	.005 U	31
05/11/94	1650	48.25	14.0	1350 F	1333	7.3	6.8	36	19	5.8	.005 U	14 F
10/19/94	1310	47.95	11.5	1110	944	7.6	7.0	29	23	4.6	.005 U	17
06/21/95	1305	49.40	12.0	1390	1169	7.0	6.8	56	13	6.66 F	.005 U	18 F
08/01/95	1730	49.30	13.0		1280		6.8					
12/20/95	1630	49.47	11.0	1270	1200	7.0	6.4		10	3.02		71 F
07/13/96	1340	51.47	13.0	1300	1360	6.9	6.8	67	14 F	4.7	.005 U	41
07/13/96 D			13.0	1310	1350	6.9	6.8	67	60 F	4.5	.005 U	35
11/23/96	1215	51.64	9.0	1240	1400	6.8	6.9	74	19	3.8	.005 U	41
05/17/97	1200	51.21	13.0	1280	1340	6.9	6.8	39	36	6.2	.005 U	50
09/13/97	1305	51.16	13.5	1420	1470	6.9	7.0	42	74	6.8		34 F
05/31/98	1320	51.19	13.5	2470	2600	6.9	7.1	37	230	17.8		32
12/13/98	1015	51.44	10.5	1600	1670	6.8	6.4	46	119	8.49	.005 U	17
05/21/99	1400	51.25	12.5	1980	2300	6.8	7.1	44	166	25	.005 U	45
09/24/99	1015	51.50	12.0	2260	2350	6.8	6.6	29	290	13.4		19
09/24/99 D				2130		6.8		31	282	10.7		25
05/27/00	1045	51.73	12.5	1480	1630	6.9	6.9	57	112	7.38	.005 M	19 F
05/27/00 D				1540		6.9		59	112	7.51	.005 M	12 F
11/16/00	1410	51.92	8.5	1330	1500	7.2	6.7	57	70	5.94		
11/16/00 D				1320		7.1		54	72	5.53		
04/27/01	1700	51.24	13.0	1330	1400	6.9	6.6	49	79	9.11	.005 U	17
10/27/01	1430	51.20	10.5	1690	1980	6.9		54	166	18.4		
10/27/01 D				1680		6.9		54	170	18.6		
04/26/02	1925	51.45	11.0	1330	1450	7.0	6.5	45	61	7.37	.005 U	1 U
10/25/02	1500	51.64	10.0	1340	1340	7.3	7.4	54	40	5.16		1 U
05/31/03	0725	51.82	10.5	1340	1350	6.8	6.8	60	48	5.61	.005 U	1 U
10/03/03	1725	51.97	13.5	1220	1320	6.8	6.6	66	40	5.29		1 U

SL-2 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
06/05/04	1600	51.57	13.0	1140	1250	6.9	7.2	48	57	6.96	.005 U	6
12/03/04	1350	51.92	11.0	1060	1155	6.7	6.8	44	34	3.58		5
12/03/04DUP				1060		6.8		44	34	3.48		4
05/13/05	1530	52.08	12.0	1110	1160	7.0	7.0	53	31	4.23	.005 U	5
09/10/05	1010	52.11	12.5	1130	1092	7.2	7.2	50	25	4.41		5
04/22/06	0800	52.30	11.0	1040	1156	7.1	7.2	64	28	5.12	.005 U	3
10/07/06	1308	52.31	11.5	1130	1090	6.9	7.2	59	30	4.16		5
04/21/07	1130	52.44	10.5	1210	1170	6.8	6.8	70	34	4.79	.005 U	6
10/12/07	1700	52.53	9.5	1220	1173	7.0	7.1	77	38	4.35		4
04/13/08	1455	52.63	10.0	1230	1246	6.8	6.8	88	46	4.72	.005 U	11
09/19/08	1700	52.81	10.5	1270	1224	6.6	6.9	89	47	5.23		4

SL-2 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.002 U	.90	.005 U	.005 U	.02 U	.05 U	.02 U	.05 U	.004 U	.0002 U	.02 U	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	.92	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
01/05/94	.01 J	.005 U	.80	.007 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.04 U	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.008	.005 U	.80	.012	.0005 U	.002 J	.005 J	.003 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.003 F	.005 U	.74	.002 U	.0005 U	.002 U	.005 U	.001 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/21/95	.002 U	.005 U	.90	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.04
12/20/95	.002 U		.70	.002 U				.001 U	.05 J	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 U	.67	.002 U	.002 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
07/13/96 D	.004 U	.005 U	.68	.002 U	.0005 F	.002 U	.005 U	.001	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/23/96	.002 U	.005 U	.52	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.62	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02 J
09/13/97	.003 U		.71	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/31/98	.003 U	.005 U	1.22	.001 U	.0001	.001 U	.001 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 J
12/13/98	.003 U		.82	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/21/99	.003 U	.005 U	.99	.001 U	.0001 U	.001 U	.003 J	.001 J	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/24/99	.003 U		1.02	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
09/24/99 D	.003 J		1.02	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.75	.001 U	.0001 J	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 J	.02 U
05/27/00 D	.003 J	.005 J	.75	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 J	.02 U
11/16/00	.05 U		.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 J
11/16/00 D	.05 U		.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.02
04/27/01	.05 U	.005 U	.7	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/27/01 D	.05 U		.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/26/02	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		.6	.001 U				.01 U	.03 U	.01 U		.01				.1 U	.01
05/31/03	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.5	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
12/03/04DUI	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/07/06	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/19/08	.005 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U

SL-2 TRACE METALS

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	ChlorO dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	1 U	14 U	2 U	1 U	1 U	1 U	1	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	2	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/24/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
05/27/00 D	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U

SL-2 **ORGANICS - TABLE ONE LIST**

SL-2 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	ChlorO dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U

SL-2 ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	3	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	1	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
07/13/96 D	1 U	1 U	1 U	5 U	1 J	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
05/27/00 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/16/00 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04DUP	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/13/08	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-2

ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	32 U	5 U	1 U	1 U	2 U	19	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	11	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
07/13/96 D	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/13/97	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	8	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 X	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/24/99 D	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
05/27/00 D	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	8.9	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	7.4	1 U	1.1	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	4.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	4.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	5.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	4.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	5.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	5.2	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	6.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	5.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U

SL-2 ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	4.6	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 U	1 U	1 U	1 U	4.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U

SL-2

ORGANICS - TABLE ONE LIST

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
02/09/93	1530	73.46	10.0	2063	2070	6.7	6.9	24	108	9.2	.005 U	15
06/23/93	1530	73.41	11.0	2070	1620	6.9	6.8	21	116	8.4	.005 U	10
01/05/94	0945	73.11	8.5	1800	1560	6.9	7.1	17	127	8.0	.005 U	16
05/11/94	1210	72.92	11.5		1944	7.1	7.0	24	136	6.8	.005 U	21 F
10/19/94	1115	72.57	10.0	1810	1417	7.1	7.1	16	134	6.4	.005 U	24
06/21/95	1125	75.66	10.5	2070	1980	7.0	6.8	18	116	5.27 F	.005 U	18 F
08/01/95	1600	75.60	12.5		2300		6.8					
12/20/95	0830	75.52	10.0	2170	1910	7.1	6.7	16	142	5.3		44 F
07/13/96	1725	75.54	13.0	2130	2450	7.2	6.8	25	259 F	6.5	.005 U	57
11/25/96	0915	75.57	4.0	2200	2600	7.1	7.1	24	162	4.6	.005 U	14
05/17/97	1430	75.42	12.0	2040	2400	7.0	6.9	20	162	5.7	.005 U	42
09/13/97	1100	75.18	12.0	2090	2400	7.0	7.4	24	166	4.2		21 F
05/30/98	1040	75.18	12.0	2360	2500	7.0	6.7	16	174	5.16		22
12/12/98	1125	75.33	11.0	2300	2200	6.9	6.6	30	159	4.81	.005 M	30
05/21/99	0955	75.27	10.5	2390	2800	7.0	6.6	18	176	2.37	.005 M	70
09/23/99	1030	75.25	12.0	2580	2800	6.9	6.7	5 U	182	1.89		48
05/26/00	1645	75.38	12.0	2560	3000	6.8	6.8	26	238	3.00	.005 M	33 F
11/17/00	1030		10.0	2580	3000	6.9		24	309	2.95		
04/27/01	1840	75.57	13.0	2700	3000	6.7	6.5	21	359	2.11	.005 U	29
10/27/01	1045	75.18	9.5	2930	3300	6.8		26	399	1.93		
04/26/02	1740	75.14	10.5	2920	3300	6.8	6.9	14	418	.59	.005 U	21
10/25/02	1645	75.35	10.0	3370	3700	7.0	6.2	12	497	.67		41
05/30/03	1620	75.53	13.0	3670	3950	6.6	6.9	17	582	1.56	.005 U	16
10/03/03	1045	75.63	12.0	3340	3650	6.6	6.4	16	640	1.43		12
06/05/04	1115	75.49	12.0	3370	4000	6.8	6.4	19	645	1.98	.005 U	48
12/02/04	1250	75.67	10.0	3410	3990	6.6	6.7	19	617	1.19		25
05/13/05	1320	75.71	11.0	3460	3850	6.9	6.8	21	602	0.96	.005 U	12
09/09/05	1520	75.78	11.5	3330	3440	7.3	7.4	20	578	0.89		15

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/22/06	1200	75.91	13.0	2830	3320	6.9	7.2	19	547	.82	.005 U	8
10/09/06	1210	75.95	11.0	3260	3130	6.8	7.6	20	516	.80		27
04/21/07	1030	76.02	10.5	3330	3170	6.8	6.5	22	529	.65	.005 U	15
10/12/07	1620	76.09	10.0	3230	3220	6.7	6.9	18	468	.35		10
04/12/08	1703	76.18	10.5	2990	3000	6.7	6.6	17	447	.79	.005 U	18
09/19/08	1620	76.25	10.5	2840	2665	6.6	6.8	20	426	.52		9

SL-3 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.002	2.4	.005 U	.005 U	.02 U	.05 U	.02 U	.05 U	.004 U	.0002 U	.02 U	.005	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	2.45	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
01/05/94	.01 J	.005 J	2.3	.011 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.04 J	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.008	.005 U	2.2	.015	.0005 U	.002 U	.005 J	.002 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.005 F	.005 U	1.94	.002 U	.0005 U	.002 U	.005 J	.009 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 U
06/21/95	.004 J	.005 U	2.32	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.04
12/20/95	.002 U		1.89	.002 U				.001 U	.05 U	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 J	2.4	.002 U	.005 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/25/96	.004 U	.005	1.79	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	2.49	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.04
09/13/97	.003 U		2.41	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.03
05/30/98	.003 U	.005 J	2.63	.001 U	.0001 U	.001 U	.001	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
12/12/98	.003 U		2.6	.001 U				.001	.05 U	.003 U		.02 J				.05 U	.02 J
05/21/99	.003 U	.005 J	2.87	.001 U	.0001 U	.001 U	.002 U	.001 J	.06	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
09/23/99	.003 J		3.11	.001 U				.001 J	.05 U	.003 U		.02 U				.05 J	.02 U
05/26/00	.003 J	.005 J	3.28	.001 U	.0001 J	.009	.002	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 J	.02
11/17/00	.05 U		3.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 J
04/27/01	.05 U	.005 J	3.9	.001 U	.001 U	.01 U	.01 U	.01	.03 F	.01 U	.001 U	.02	.005 J	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		4.0	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01 U
04/26/02	.05 U	.005 J	3.3	.001 U	.001 U	.01 U	.01 U	.01 U	.04	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		4.0	.001 U				.01 U	.03 U	.01 U		.04				.1 U	.01
05/30/03	.05 U	.005 U	4.1	.001 U	.001 U	.01 U	.01 U	.02	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		3.8	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01
06/05/04	.05 U	.005 U	3.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		3.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	4.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.005 U	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		4.0	.001 U				.01 U	.04	.01 U		.01				.1 U	.01 U
04/22/06	.05 U	.005 U	3.6	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		3.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	3.4	.001 U	.001 U	.01	.01 U	.01 U	.03 U	.01 U	.001 U	.03	.006	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		3.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/12/08	.005 U	.005 U	3.2	.001 U	.001 U	.01	.01 U	.01 U	.04	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/19/08	.005 U		3.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U

SL-3 **TRACE METALS**

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	3	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	3	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	2	1 J	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
05/30/98	20 B	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/17/00	20 U	20 U	1.0	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	3.5	1 U	1 U	1 U
04/27/01	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
10/27/01	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
04/26/02	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U
10/25/02	20 U	20 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	2.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	2.2	1 U	1 U	1 U
10/03/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1.9	1 U	1 U	1 U
06/0504	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.2	1 U	1 U	1 U
09/09/05	20 U	20 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/22/06	20 U	20 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
10/09/06	20 U	20 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
10/12/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	8	1	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	13	1 U	2 U	1 U	1	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	4	4	2 U	1 U	1 J	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	4	3	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	10	4	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	3	5	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	3.4	**9.4**	1 U	1 J	**5.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	3.6	**9.7**	1 U	1 U	**7.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	3.3	**8.0**	1 U	1 J	**6.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	2.5	**6.2**	1 U	1 U	**5.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	3.2	**5.0**	1 U	1 U	**5.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	2.9	**6.4**	1 U	1 U	**7.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	3.9	**5.7**	1 U	1 U	**7.6**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
06/0504	1 U	1 U	1 U	1 U	3.3	**4.8**	1 J	1 U	**7.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	4.6	**2.8**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	4.1	**4.4**	1 U	1 U	**5.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**4.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	3.4	**3.4**	1 U	1 U	**3.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	3.8	**3.7**	1 U	1 U	**4.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	2.6	**3.7**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	4.5	**3.2**	1 U	1 U	**3.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/12/08	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**3.7**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/19/08	1 U	1 U	1 U	1 U	1 U	**3.6**	1 U	1 U	**2.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	15	1 U	1 U	2 U	3	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	32	1 U	1 U	1 U	3	1 U	1 U	1 U	1	3	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	31	1 U	1 U	1 U	3	1 U	3	1 U	1 U	3	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	15	1 U	1 U	1 U	3	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	8	1 U	1 U	1 U	2	1 U	2	1 U	1 U	2	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	14	1 U	1 U	1 U	2	1 J	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	13	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	25 X	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	26	1 U	1 U	1 U	3	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	48 X	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	32 B	1 U	1 U	1 U	2	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	28 B	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	23 B	1 U	1 U	1 U	3	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	9 B	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	40 B	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	59 B	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	2.4	1 U	1 U	1 U	4.6	1 U	2.1	1 U	1 J	1.7	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1.1	1 U	1 U	1 U	7.4	1 U	2.8	1 U	1.2	2.1	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1.1	1 U	1 U	1 U	7.0	1 U	2.6	1 U	1.1	2.2	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	6.6	1 U	2.0	1 U	1 J	1.4	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.2	1 U	1 U	1 U	5.8	1 U	2.1	1 U	1 J	1.5	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.6	1 U	1 U	1 U	8.5	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1.4	1 U	1 U	1 U	8.5	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
06/0504	20 U	20 U	1.2	1 U	1 U	1 U	6.2	1 U	1.9	1 U	1.2	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	4.0	1 U	1.2	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	7.4	1 U	1.7	1 U	1.4	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	7.8	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	5.8	1 U	1.5	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	7.4	1 U	1.4	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	8.5	1 U	1.5	1 U	1.2	1 J	1 U	1 U	1 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	8.4	1 U	1.7	1 U	1.4	1.0	1 U	1 U	1 U	1 U
09/19/08	20 U	20 U	1 J	1 U	1 U	1 U	7.6	1 U	1.7	1 U	1.2	1.0	1 U	1 U	1 U	1 U

SL-3 **ORGANICS - TABLE ONE LIST**

SL-4

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
10/21/94	1330	77.29	10.0	1850	1407	7.1	7.2	57	189	12	.005 U	45
06/20/95	1615	76.96	9.5	2380	2170	7.0	7.0	66	246	5.09 F	.005 U	20 F
08/01/95	1500	76.91	11.0		2400		6.9					
12/20/95	1030	77.06	9.5	2450	2300	7.1	7.0	62	278	12		72 F
07/14/96	1500	77.33	11.0	2530	2700	6.9	6.8	75	489 F	16	.005 U	18
11/25/96	1220	77.49	6.0	2490	2800	7.0	6.9	84	268	12.6	.005 U	20
05/18/97	1030	77.47	9.5	2390	2800	6.9	7.3	78	277	13	.005 U	39
05/18/97 D				2160		7.0		78	270	13	.005 U	48
09/12/97	1650	77.40	10.5	2470	2800	6.9	7.0	81	262	9.7		17 F
05/30/98	1250	77.39	11.0	2500	2700	6.9	6.8	132	197	13.6		11
05/30/98 D				2430		7.0		134	207	13.6		13
12/12/98	1315	77.48	10.0	2490	2700	6.8	6.8	146	167	13.9	.005 M	32
05/21/99	1205	77.50	10.0	2490	2800	6.9	7.1	162	167	14	.005 M	61
09/23/99	1210	77.52	10.0	2550	2700	6.8	6.8	160	168	12.5		50
05/26/00	1840	77.60	10.0	2390	2800	6.9	6.8	212	197	12.0	.005 M	56 F
11/17/00	1200	77.72	9.0	2340	2900	7.2		200	188	12.0		
04/28/01	0845	77.75	10.5	2430	2800	6.9	7.5	220	192	10.8	.005 U	21
10/27/01	1155	77.52	9.5	2480	2800	6.9		221	197	10.4		
04/27/02	0950	77.42	10.0	2500	2800	7.0	6.5	167	211	11.4	.005 U	11
10/25/02	1810	77.54	8.5	2670	3000	7.2	6.1	146	226	11.7		21
05/30/03	1345	77.74	11.5	2720	3000	6.8	7.1	149	208	12.2	.005 U	20
10/03/03	1205	77.83	11.0	2440	3000	6.9	6.7	133	200	12.1		13
06/05/04	1000	77.78	12.0	2470	2800	6.9	6.4	181	181	12.4	.005 U	46
12/02/04	1435	77.83	9.5	2450	2800	6.7	6.8	172	186	11.4		19
05/13/05	1140	77.94	10.5	2470	2900	7.3	7.2	169	184	11.6	.005 U	15
09/09/05	1700	78.00	11.0	2400	2430	7.3	7.3	169	178	13.9		17
04/22/06	1740	78.13	13.0	2130	2445	7.1	7.5	167	1 U	13.5	.005 U	16
10/09/06	1640	78.22	10.5	2480	2430	7.0	7.4	176	162	19.1		17
04/21/07	1620	78.32	10.0	2490	2425	7.0	6.7	176	144	17.9	.005 U	16
10/12/07	1505	78.41	7.0	2480	2390	6.9	7.0	182	125	16.6		21

SL-4 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

SL-4

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/12/08	1817	78.51	10.0	2370	2383	7.0	6.9	199	119	17.7	.005 U	23
09/20/08	1020	78.59	11.0	2380	2365	6.9	6.0	222	105	14.1		18
9/20/DUP				2380		6.9		223	105	13.9		17

SL-4 **PHSYICAL PARAMETERS, IONS, & NUTRIENTS**

SL-4 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
10/21/94	.005 F	.005 U	.28	.002 U	.0005 U	.002 U	.005 J	.003 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/20/95	.002 U	.005 U	.21	.002 U	.0005 U	.002 U	.005 U	.002	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.05
12/20/95	.002 U		.12	.002 U				.001 U	.05 U	.002 U		.02 U				.05 U	.02 J
07/14/96	.004 U	.005 U	.22	.002 U	.003 F	.002 U	.005 U	.001	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/25/96	.002 U	.005 U	.17	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/18/97	.002 U	.005 U	.24	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.03
05/18/97 D	.002 U	.005 U	.24	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02
09/12/97	.003 U		.24	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.04
05/30/98	.003 U	.005 U	.24	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 J
05/30/98 D	.003 U	.005 U	.24	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
12/12/98	.003 U		.22	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02 J
05/21/99	.003 U	.005 U	.24	.001 U	.0001	.001 U	.002 J	.001	.55	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/23/99	.003 U		.18	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/26/00	.003 J	.005 J	.16	.001 U	.0001 J	.007	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 U	.02 U
11/17/00	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01
04/28/01	.05 U	.005 U	.2	.001 U	.001 J	.01 J	.01 U	.01	.03 F	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/27/02	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		.2	.001 U				.01 U	.03	.01 U		.03				.1 U	.01
05/30/03	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.007	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01
06/05/04	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03	.01 U	.001 U	.01	.009	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.06	.01 U	.001 U	.01	.006	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.007	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
04/12/08	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
9/20/DUP	.005 U		.1	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U

SL-4 TRACE METALS

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
10/21/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
11/25/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
05/18/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/18/97 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/30/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-4 **ORGANICS - TABLE ONE LIST**

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
10/21/94	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	5	1 U	4	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	4	1 U	4	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/18/97	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/18/97 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	4	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98 D	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	3	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 M	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	1 U	1 J	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 J	1.1	1 U	1 U	1.7	1 U	2.1	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1.0	1 U	1 U	1.7	1 U	2.2	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 J	1 U	1 U	1.2	1 U	1.5	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.5	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.8	1 U	1.9	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.8	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.4	1 U	1.4	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.3	1 U	1.4	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.2	1 U	1.6	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.4	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.2	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.1	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1.1	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
9/20/DUP	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-4

ORGANICS - TABLE ONE LIST

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
10/21/94	20 J	10 J	5 U	1 U	1 U	1 U	13	1 J	1	1 U	1 J	2	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 J	1 U	1 U	1 U	26	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 X	1 U	1 U	1 U	30	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 X	1 U	1 U	1 U	33	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	5 U	1 U	1 U	1 U	31	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
11/25/96 D	20 U	20 U	5 U	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/18/97	20 U	20 U	5 X	1 U	1 U	1 U	29	1 U	2	1 U	1	3	1 U	10 U	1 U	1 U
05/18/97 D	20 U	20 U	5 X	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 B	1 U	1 U	1 U	34	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 B	1 U	1 U	1 U	39	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
05/30/98 D	20 U	20 U	5 B	1 U	1 U	1 U	38	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	36	1 U	2	1 U	1	2	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 B	1 U	1 U	1 U	27	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 B	1 U	1 U	1 U	34	1 U	1 U	1 U	1	1	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	5 B	1 U	1 U	1 U	30	1 U	1	1 U	1 J	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1.1	1 U	1 U	1 U	32	1 U	1.2	1 U	1.1	1 J	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 J	1 U	1 U	1 U	34	1 U	1.3	1 U	1.2	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 J	1 U	1 U	1 U	28	1 U	1.1	1 U	1.0	1 J	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.1	1 U	1 U	1 U	31	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.0	1 U	1 U	1 U	32	1 U	1 J	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	23	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	33	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	25	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	20	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	28	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	22	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
9/20/DUP	20 U	20 U	1 J	1 U	1 U	1 U	21	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-4

ORGANICS - TABLE ONE LIST

SL-5

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
11/03/94	0900	83.03	5.0	957	734	7.5		73	20	.92	.005 U	30
06/20/95	1240	83.51	9.5	1020	803	7.4	7.1	29	15	.63 F	.005 U	57 F
08/01/95	1400	83.50	11.5		950		6.9					
12/20/95	1215	83.63	9.5	1130	950	7.5	7.2	44	20	1.19		34 F
07/13/96	1930	83.50	10.5	1050	1090	7.3	7.2	32	104 F	.95	.005 U	27
11/23/96	1445	84.11	7.0	989	1090	7.5	7.4	30	17	.60	.005 U	33
05/19/97	0950	84.02	10.0	996	1200	7.3	7.6	51	19	1.4	.005 U	57
09/12/97	1250	83.95	11.0	1150	1190	7.3	7.3	72	23	1.35		32 F
09/12/97 D				1140		7.3		63	23	1.17		63 F
05/31/98	1530	83.80	12.0	896	980	7.5	7.2	22	17	.47		25
12/12/98	1500	83.94	10.5	811	900	7.4	7.3	28	16	.88	.005 M	9
05/22/99	1050	84.95	10.0	901	1000	7.5	7.1	27	16	1.39	.005 M	44
09/24/99	1155	84.00	11.0	902	1100	7.3	7.3	21	286 R	1.01		33
05/27/00	0915	84.09	10.5	783	850	7.4	7.3	28	12	.54	.005 M	19 F
11/17/00	1345	84.22	9.0	726	830	7.7		23	11	.53		
04/28/01	1050	84.14	11.0	877	990	7.3	7.5	23	16	1.04	.005 U	21
10/27/01	1330	83.97	10.5	992	1010	7.3		34	18	1.11		
04/27/02	1135	83.78	10.0	826	890	7.4	7.4	28	12	.29	.005 U	12
10/26/02	0940	83.96	9.5	832	870	7.4	7.4	25	11	.59		13
05/30/03	1740	84.22	12.0	931	940	7.2	7.5	42	12	1.19	.005 U	5
10/03/03	1450	84.33	12.0	866	990	7.2	7.0	61	12	1.32		4
06/05/04	1500	84.16	13.0	882	970	7.4	7.3	47	13	1.05	.005 U	25
12/03/04	1245	84.33	9.5	786	800	7.1	7.2	31	11	.59		9
05/14/05	1045	84.47	10.5	795	850	7.5	7.4	3	1 U	.64	.005 U	8
09/10/05	0900	84.52	10.5	795	790	7.5	7.2	28	11	.68		11
04/22/06	1610	84.69	13.0	704	759	7.6	7.4	27	9	.61	.005 U	7
10/09/06	1515	84.74	10.5	791	761	7.4	7.0	26	10	.64		6
04/21/07	1505	84.86	10.0	763	732	7.4	7.2	22	9	.50	.005 U	9
10/13/07	1200	84.94	10.0	737	722	7.2	7.3	21	8	.43		6

SL-5

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/13/08	1400	85.03	10.5	683	696	7.4	7.4	19	7	.40	.005 U	10
09/20/08	1140	85.12	11.0	685	632	7.3	6.9	25	7	.40		11

SL-5 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

SL-5 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
11/03/94	.002 F	.005 U	.20	.002 U	.0005 U	.002 U	.002 U	.009 F	.40	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/20/95	.002 U	.005 U	.37	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 J	.03
12/20/95	.002 U		.37	.002 U				.001 U	.05 J	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 U	.40	.002 U	.011 F	.002 U	.005 U	.001 U	.03	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/23/96	.002 U	.005 U	.32	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/19/97	.002 U	.005 U	.45	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.09
09/12/97	.003 U		.49	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.03
09/12/97 D	.003 U		.49	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.03
05/31/98	.003 U	.005 U	.37	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 J
12/12/98	.003 U		.34	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.02 U
05/22/99	.003 U	.005 U	.38	.001 U	.0001 U	.001 U	.002 U	.001 J	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/24/99	.003 U		.35	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.29	.001 U	.0001 J	.005 J	.002 J	.005 U	.05 J	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 U	.02 J
11/17/00	.05 U		.3	.001 U				.01 U	.07	.01 U		.01 U				.1 U	.01 J
04/28/01	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.04 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.5	.001 U				.01 U	.07	.01 U		.01 J				.1 U	.01 U
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.3	.001 U				.01 U	.09	.01 U		.01 U				.1 U	.01
05/30/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.08	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.4	.001 U				.01 U	.07	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.4	.001 U				.01 U	.08	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.3	.001 U				.01 U	.05	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.3	.001 U				.01 U	.05	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.02
10/13/07	.05 U		.3	.001 U				.01 U	.06	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.08	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
09/20/08	.005 U		.3	.001 U				.01 U	.08	.01 U		.01 U				.1 U	.01 U

SL-5 TRACE METALS

SL-5

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
11/03/94	20 X	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 J	1 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/19/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
09/12/97 D	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-5

ORGANICS - TABLE ONE LIST

SL-5

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
11/03/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/19/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97 D	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/20/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-5

ORGANICS - TABLE ONE LIST

SL-5

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
11/03/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/19/97	20 U	20 U	5 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/20/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-5

ORGANICS - TABLE ONE LIST

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill #102
Lab ID: B08092210-009
Client Sample ID: Trip Blank 2 Lot# 091108, B-Hc, SHP0237

Report Date: 10/08/08
Collection Date: 09/19/08 16:20
DateReceived: 09/23/08
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	09/30/08 15:04 / mld
Acrylonitrile	ND	ug/L		20		SW8260B	09/30/08 15:04 / mld
Benzene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Bromochloromethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Bromodichloromethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Bromoform	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Bromomethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Carbon disulfide	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Chlorobenzene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Chloroethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Chloroform	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Chloromethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Dibromomethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Ethylbenzene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
2-Hexanone	ND	ug/L		20		SW8260B	09/30/08 15:04 / mld
Iodomethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Methyl ethyl ketone	ND	ug/L		20		SW8260B	09/30/08 15:04 / mld
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	09/30/08 15:04 / mld
Methylene chloride	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Styrene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Tetrachloroethene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Toluene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Trichloroethene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	10/08/08
Project:	Landfill #102	**Collection Date:**	09/19/08 16:20
Lab ID:	B08092210-009	**DateReceived:**	09/23/08
Client Sample ID:	Trip Blank 2 Lot# 091108, B-Hc, SHP0237	**Matrix:**	Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Vinyl acetate	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Vinyl chloride	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
m+p-Xylenes	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
o-Xylene	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Xylenes, Total	ND	ug/L		1.0		SW8260B	09/30/08 15:04 / mld
Surr: 1,2-Dichloroethane-d4	95.0	%REC		70-130		SW8260B	09/30/08 15:04 / mld
Surr: Dibromofluoromethane	103	%REC		77-126		SW8260B	09/30/08 15:04 / mld
Surr: p-Bromofluorobenzene	103	%REC		76-127		SW8260B	09/30/08 15:04 / mld
Surr: Toluene-d8	100	%REC		79-122		SW8260B	09/30/08 15:04 / mld

Report Definitions:	RL - Analyte reporting limit. QCL - Quality control limit.	MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/05/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B									Batch: PHSC080923A
Sample ID: PHC1080722A	Laboratory Control Sample				Run: ORION555A_080923A				09/23/08 08:55
Conductivity	151	umhos/cm	1.0	101	90	110			
Sample ID: PHC1071220B	Laboratory Control Sample				Run: ORION555A_080923A				09/23/08 08:57
Conductivity	4990	umhos/cm	1.0	100	90	110			
Sample ID: PHC1080605C	Laboratory Control Sample				Run: ORION555A_080923A				09/23/08 08:57
Conductivity	19800	umhos/cm	1.0	99	90	110			
Sample ID: B08092210-004ADUP	Sample Duplicate				Run: ORION555A_080923A				09/23/08 17:19
Conductivity	2380	umhos/cm	1.0				0.1	10	
Sample ID: B08092210-004ADUP	Sample Duplicate				Run: ORION555A_080923A				09/23/08 17:19
Conductivity	2380	umhos/cm	1.0				0.1	10	
Sample ID: B08092210-004ADUP	Sample Duplicate				Run: ORION555A_080923A				09/23/08 17:19
Conductivity	2380	umhos/cm	1.0				0.1	10	
Method: A4500 H									Batch: PHSC080923A
Sample ID: PHC1080722D	Laboratory Control Sample				Run: ORION555A_080923A				09/23/08 08:59
pH	4.01	s.u.	0.10	100	97	103			
Sample ID: PHC1080722E	Laboratory Control Sample				Run: ORION555A_080923A				09/23/08 08:59
pH	6.91	s.u.	0.10	99	98	102			
Sample ID: B08092210-004ADUP	Sample Duplicate				Run: ORION555A_080923A				09/23/08 17:36
pH	6.86	s.u.	0.10				0.1	10	
Sample ID: B08092210-004ADUP	Sample Duplicate				Run: ORION555A_080923A				09/23/08 17:36
pH	6.86	s.u.	0.10				0.1	10	
Sample ID: B08092210-004ADUP	Sample Duplicate				Run: ORION555A_080923A				09/23/08 17:36
pH	6.86	s.u.	0.10				0.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916
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QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/05/08
Work Order: B08092210

Method: **SW6010B** — Analytical Run: ICP202-B_080924A

Sample ID: QCS — Initial Calibration Verification Standard — 09/24/08 10:11

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	0.837	mg/L	0.10	105	90	110			
Iron	4.14	mg/L	0.030	104	90	110			
Nickel	0.828	mg/L	0.050	103	90	110			
Vanadium	0.795	mg/L	0.10	99	90	110			

Sample ID: ICSA — Interference Check Sample A — 09/24/08 10:27

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	0.00127	mg/L	0.10		-0.005	0.0005			
Iron	203	mg/L	0.091	102	80	120			
Nickel	0.000240	mg/L	0.050		-0.05	0.05			
Vanadium	-0.00217	mg/L	0.10		-0.01	0.01			

Sample ID: ICSAB — Interference Check Sample AB — 09/24/08 10:31

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	0.543	mg/L	0.10	109	80	120			
Iron	205	mg/L	0.091	102	80	120			
Nickel	1.02	mg/L	0.050	102	80	120			
Vanadium	0.498	mg/L	0.10	100	80	120			

Method: **SW6010B** — Batch: R118071

Sample ID: MB-SPDIS080924A — Method Blank — Run: ICP202-B_080924A — 09/24/08 11:04

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	0.0006	mg/L	0.0001						
Iron	ND	mg/L	0.002						
Nickel	ND	mg/L	0.001						
Vanadium	0.003	mg/L	0.001						

Sample ID: LFB-SPDIS080924A — Laboratory Fortified Blank — Run: ICP202-B_080924A — 09/24/08 11:08

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	1.03	mg/L	0.10	103	85	115			
Iron	5.15	mg/L	0.030	103	85	115			
Nickel	1.03	mg/L	0.050	103	85	115			
Vanadium	0.998	mg/L	0.10	100	85	115			

Sample ID: B08092210-003BMS2 — Sample Matrix Spike — Run: ICP202-B_080924A — 09/24/08 20:24

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	7.93	mg/L	0.10	97	75	125			
Iron	25.0	mg/L	0.030	100	75	125			
Nickel	5.02	mg/L	0.010	100	75	125			
Vanadium	4.88	mg/L	0.10	98	75	125			

Sample ID: B08092210-003BMSD2 — Sample Matrix Spike Duplicate — Run: ICP202-B_080924A — 09/24/08 20:28

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	7.98	mg/L	0.10	98	75	125	0.6	20	
Iron	25.6	mg/L	0.030	102	75	125	2.4	20	
Nickel	5.22	mg/L	0.010	104	75	125	3.9	20	
Vanadium	5.07	mg/L	0.10	101	75	125	3.8	20	

Sample ID: B08092210-004BDIL — Serial Dilution — Run: ICP202-B_080924A — 09/24/08 20:36

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Barium	0.119	mg/L	0.10		0	0		10	N

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/05/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Batch: R118071
Sample ID: B08092210-004BDIL	Serial Dilution			Run: ICP202-B_080924A				09/24/08 20:36	
Iron	ND	mg/L	0.13		0	0	0	10	
Nickel	ND	mg/L	0.025		0	0	0	10	
Vanadium	ND	mg/L	0.10		0	0	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 10/05/08
Project: Landfill #102 **Work Order:** B08092210

Method: SW6020 Analytical Run: ICPMS204-B_080929A

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Sample ID: QCS-ME080514B,080814	Initial Calibration Verification Standard								09/29/08 11:12
Antimony	0.0508	mg/L	0.0010	102	90	110			
Beryllium	0.0254	mg/L	0.0010	101	90	110			
Copper	0.0502	mg/L	0.0010	100	90	110			
Lead	0.0495	mg/L	0.0010	99	90	110			
Zinc	0.0520	mg/L	0.0010	104	90	110			
Sample ID: ICSA	Interference Check Sample A								09/29/08 11:33
Antimony	0.000216	mg/L	0.0010						
Beryllium	2.00E-07	mg/L	0.0010						
Copper	0.000378	mg/L	0.0010						
Lead	0.00195	mg/L	0.0010						
Zinc	0.00144	mg/L	0.0010						
Sample ID: ICSAB	Interference Check Sample AB								09/29/08 11:40
Antimony	7.24E-05	mg/L	0.0010		0	0			
Beryllium	2.00E-07	mg/L	0.0010		0	0			
Copper	0.0184	mg/L	0.0010	92	70	130			
Lead	0.00198	mg/L	0.0010		0	0			
Zinc	0.00967	mg/L	0.0010	97	70	130			
Sample ID: QCS-ME080514B,080814	Initial Calibration Verification Standard								09/29/08 21:57
Antimony	0.0517	mg/L	0.0010	103	90	110			
Beryllium	0.0256	mg/L	0.0010	102	90	110			
Copper	0.0521	mg/L	0.0010	104	90	110			
Lead	0.0508	mg/L	0.0010	102	90	110			
Zinc	0.0518	mg/L	0.0010	104	90	110			
Sample ID: ICSA	Interference Check Sample A								09/29/08 22:03
Antimony	0.000229	mg/L	0.0010						
Beryllium	4.30E-06	mg/L	0.0010						
Copper	0.000650	mg/L	0.0010						
Lead	0.000176	mg/L	0.0010						
Zinc	0.00162	mg/L	0.0010						
Sample ID: ICSAB	Interference Check Sample AB								09/29/08 22:10
Antimony	8.73E-05	mg/L	0.0010		0	0			
Beryllium	1.00E-06	mg/L	0.0010		0	0			
Copper	0.0194	mg/L	0.0010	97	70	130			
Lead	0.000162	mg/L	0.0010		0	0			
Zinc	0.0110	mg/L	0.0010	110	70	130			

Method: SW6020 Batch: R118359

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Sample ID: LRB	Method Blank				Run: ICPMS204-B_080929A				09/29/08 11:54
Antimony	ND	mg/L	4E-06						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/05/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Batch: R118359
Sample ID: LRB	Method Blank				Run: ICPMS204-B_080929A				09/29/08 11:54
Beryllium	ND	mg/L	4E-06						
Copper	ND	mg/L	3E-05						
Lead	0.0002	mg/L	3E-06						
Zinc	0.001	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS204-B_080929A				09/29/08 12:00
Antimony	0.0487	mg/L	0.050	97	85	115			
Beryllium	0.0475	mg/L	0.0010	95	85	115			
Copper	0.0469	mg/L	0.010	94	85	115			
Lead	0.0492	mg/L	0.010	98	85	115			
Zinc	0.0481	mg/L	0.010	94	85	115			
Sample ID: B08092210-001BMS	Sample Matrix Spike				Run: ICPMS204-B_080929A				09/29/08 19:17
Antimony	0.0503	mg/L	0.0050	100	75	125			
Beryllium	0.0474	mg/L	0.0010	95	75	125			
Copper	0.0449	mg/L	0.010	87	75	125			
Lead	0.0511	mg/L	0.010	102	75	125			
Zinc	0.0631	mg/L	0.010	87	75	125			
Sample ID: B08092210-001BMSD	Sample Matrix Spike Duplicate				Run: ICPMS204-B_080929A				09/29/08 19:24
Antimony	0.0512	mg/L	0.0050	102	75	125	1.6	20	
Beryllium	0.0486	mg/L	0.0010	97	75	125	2.5	20	
Copper	0.0455	mg/L	0.010	89	75	125	1.5	20	
Lead	0.0511	mg/L	0.010	102	75	125	0.1	20	
Zinc	0.0632	mg/L	0.010	88	75	125	0.1	20	
Sample ID: B08092212-003BMS	Sample Matrix Spike				Run: ICPMS204-B_080929A				09/30/08 03:57
Antimony	0.248	mg/L	0.0050	99	75	125			
Beryllium	0.227	mg/L	0.0010	91	75	125			
Copper	0.252	mg/L	0.010	101	75	125			
Lead	0.257	mg/L	0.010	103	75	125			
Zinc	0.237	mg/L	0.010	93	75	125			
Sample ID: B08092212-003BMSD	Sample Matrix Spike Duplicate				Run: ICPMS204-B_080929A				09/30/08 04:04
Antimony	0.249	mg/L	0.0050	100	75	125	0.4	20	
Beryllium	0.224	mg/L	0.0010	90	75	125	1.3	20	
Copper	0.252	mg/L	0.010	100	75	125	0.3	20	
Lead	0.257	mg/L	0.010	103	75	125	0.2	20	
Zinc	0.227	mg/L	0.010	88	75	125	4.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/05/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020					Analytical Run: ICPMS204-B_081001A				
Sample ID: QCS-ME080514B,080814	Initial Calibration Verification Standard								10/01/08 03:25
Antimony	0.0521	mg/L	0.0010	104	90	110			
Beryllium	0.0250	mg/L	0.0010	100	90	110			
Lead	0.0496	mg/L	0.0010	99	90	110			
Nickel	0.0515	mg/L	0.0010	103	90	110			
Sample ID: ICSA	Interference Check Sample A								10/01/08 03:46
Antimony	0.000377	mg/L	0.0010						
Beryllium	7.00E-06	mg/L	0.0010						
Lead	0.000267	mg/L	0.0010						
Nickel	0.000639	mg/L	0.0010						
Sample ID: ICSAB	Interference Check Sample AB								10/01/08 03:53
Antimony	0.000162	mg/L	0.0010		0	0			
Beryllium	1.90E-06	mg/L	0.0010		0	0			
Lead	0.000233	mg/L	0.0010		0	0			
Nickel	0.0205	mg/L	0.0010	102	70	130			
Method: SW6020									Batch: R118458
Sample ID: LRB	Method Blank				Run: ICPMS204-B_081001A				10/01/08 04:07
Antimony	ND	mg/L	2E-05						
Beryllium	ND	mg/L	2E-05						
Lead	0.0001	mg/L	2E-05						
Nickel	ND	mg/L	2E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS204-B_081001A				10/01/08 04:14
Antimony	0.0493	mg/L	0.0010	99	85	115			
Beryllium	0.0489	mg/L	0.0010	98	85	115			
Lead	0.0495	mg/L	0.0010	99	85	115			
Nickel	0.0492	mg/L	0.0010	98	85	115			
Sample ID: B08092210-001BMS	Sample Matrix Spike				Run: ICPMS204-B_081001A				10/01/08 04:34
Antimony	0.0497	mg/L	0.0050	99	75	125			
Beryllium	0.0481	mg/L	0.0010	96	75	125			
Lead	0.0493	mg/L	0.010	98	75	125			
Nickel	0.0545	mg/L	0.010	94	75	125			
Sample ID: B08092210-001BMSD	Sample Matrix Spike Duplicate				Run: ICPMS204-B_081001A				10/01/08 04:41
Antimony	0.0490	mg/L	0.0050	98	75	125	1.4	20	
Beryllium	0.0484	mg/L	0.0010	97	75	125	0.7	20	
Lead	0.0487	mg/L	0.010	97	75	125	1.2	20	
Nickel	0.0538	mg/L	0.010	93	75	125	1.3	20	
Sample ID: B08092210-004BDIL	Serial Dilution				Run: ICPMS204-B_081001A				10/01/08 05:30
Antimony	0.000395	mg/L	0.0050		0	0		10	N

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/05/08
Work Order: B08092210

Method: **SW6020**
Batch: R118458

Sample ID: **B08092210-004BDIL** Serial Dilution
Run: ICPMS204-B_081001A
10/01/08 05:30

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Beryllium	ND	mg/L	0.0010		0	0	0	10	
Lead	0.000860	mg/L	0.010		0	0		10	N
Nickel	0.00362	mg/L	0.010		0	0	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 09/29/08
Work Order: B08092210

Method: **SW8260B** Batch: R118307

Sample ID: **lcs092608** Laboratory Control Sample Run: 5971A.I_080926B 09/26/08 12:05

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	35.0	ug/L	20	70	62	130			
Acrylonitrile	41.6	ug/L	20	83	60	130			
Benzene	5.40	ug/L	1.0	108	71	133			
Bromochloromethane	5.32	ug/L	1.0	106	68	131			
Bromodichloromethane	5.28	ug/L	1.0	106	67	138			
Bromoform	5.24	ug/L	1.0	105	64	136			
Bromomethane	5.12	ug/L	1.0	102	60	138			
Carbon disulfide	4.76	ug/L	1.0	95	46	145			
Carbon tetrachloride	5.44	ug/L	1.0	109	61	144			
Chlorobenzene	5.40	ug/L	1.0	108	78	136			
Chlorodibromomethane	5.48	ug/L	1.0	110	72	136			
Chloroethane	4.40	ug/L	1.0	88	64	136			
Chloroform	5.32	ug/L	1.0	106	69	133			
Chloromethane	4.68	ug/L	1.0	94	63	149			
1,2-Dibromo-3-chloropropane	4.96	ug/L	1.0	99	63	125			
1,2-Dibromoethane	5.28	ug/L	1.0	106	75	131			
Dibromomethane	5.40	ug/L	1.0	108	72	133			
1,2-Dichlorobenzene	5.16	ug/L	1.0	103	78	129			
1,4-Dichlorobenzene	5.20	ug/L	1.0	104	78	131			
trans-1,4-Dichloro-2-butene	3.43	ug/L	1.0	69	50	142			
Dichlorodifluoromethane	7.20	ug/L	1.0	144	55	141			S
1,1-Dichloroethane	5.12	ug/L	1.0	102	72	130			
1,2-Dichloroethane	5.28	ug/L	1.0	106	57	146			
1,1-Dichloroethene	5.28	ug/L	1.0	106	66	142			
cis-1,2-Dichloroethene	4.96	ug/L	1.0	99	74	133			
trans-1,2-Dichloroethene	5.44	ug/L	1.0	109	76	138			
1,2-Dichloropropane	5.16	ug/L	1.0	103	72	135			
cis-1,3-Dichloropropene	5.56	ug/L	1.0	111	75	132			
trans-1,3-Dichloropropene	5.88	ug/L	1.0	118	77	145			
Ethylbenzene	5.32	ug/L	1.0	106	78	131			
2-Hexanone	42.0	ug/L	20	84	72	131			
Iodomethane	5.20	ug/L	1.0	104	66	132			
Methyl ethyl ketone	29.7	ug/L	20	59	55	145			
Methyl isobutyl ketone	44.0	ug/L	20	88	73	129			
Methylene chloride	4.88	ug/L	1.0	98	73	126			
Styrene	5.12	ug/L	1.0	102	76	134			
1,1,1,2-Tetrachloroethane	5.40	ug/L	1.0	108	75	135			
1,1,2,2-Tetrachloroethane	5.08	ug/L	1.0	102	72	132			
Tetrachloroethene	5.20	ug/L	1.0	104	78	137			
Toluene	5.24	ug/L	1.0	105	78	134			
1,1,1-Trichloroethane	5.28	ug/L	1.0	106	64	141			
1,1,2-Trichloroethane	4.72	ug/L	1.0	94	72	133			
Trichloroethene	5.16	ug/L	1.0	103	75	138			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 09/29/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R118307
Sample ID: lcs092608	Laboratory Control Sample				Run: 5971A.I_080926B				09/26/08 12:05
Trichlorofluoromethane	4.60	ug/L	1.0	92	58	139			
1,2,3-Trichloropropane	4.76	ug/L	1.0	95	67	133			
Vinyl acetate	3.66	ug/L	1.0	73	31	124			
Vinyl chloride	5.20	ug/L	1.0	104	66	140			
m+p-Xylenes	10.8	ug/L	1.0	108	78	133			
o-Xylene	5.32	ug/L	1.0	106	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	101	70	130			
Surr: Dibromofluoromethane			1.0	102	77	126			
Surr: p-Bromofluorobenzene			1.0	98	76	127			
Surr: Toluene-d8			1.0	101	79	122			
Sample ID: blk092608	Method Blank				Run: 5971A.I_080926B				09/26/08 13:19
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 09/29/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R118307	
Sample ID: blk092608	Method Blank				Run: 5971A.I_080926B			09/26/08 13:19	
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	101	70	130			
Surr: Dibromofluoromethane			1.0	104	77	126			
Surr: p-Bromofluorobenzene			1.0	100	76	127			
Surr: Toluene-d8			1.0	96	79	122			
Sample ID: B08092210-001Dms	Sample Matrix Spike				Run: 5971A.I_080926B			09/27/08 01:35	
Acetone	452	ug/L	200	90	62	130			
Acrylonitrile	444	ug/L	200	89	60	130			
Benzene	49.6	ug/L	10	99	71	133			
Bromochloromethane	49.6	ug/L	10	99	68	131			
Bromodichloromethane	50.4	ug/L	10	101	67	138			
Bromoform	45.6	ug/L	10	91	64	136			
Bromomethane	64.8	ug/L	10	130	60	138			
Carbon disulfide	53.6	ug/L	10	107	46	145			
Carbon tetrachloride	54.0	ug/L	10	108	61	144			
Chlorobenzene	47.2	ug/L	10	94	78	136			
Chlorodibromomethane	51.6	ug/L	10	103	72	136			
Chloroethane	57.6	ug/L	10	115	64	136			
Chloroform	53.2	ug/L	10	106	69	133			
Chloromethane	58.0	ug/L	10	116	63	149			
1,2-Dibromo-3-chloropropane	42.4	ug/L	10	85	63	125			
1,2-Dibromoethane	47.6	ug/L	10	95	75	131			
Dibromomethane	50.4	ug/L	10	101	72	133			
1,2-Dichlorobenzene	45.6	ug/L	10	91	78	129			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 09/29/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R118307
Sample ID: B08092210-001Dms	Sample Matrix Spike				Run: 5971A.I_080926B				09/27/08 01:35
1,4-Dichlorobenzene	48.8	ug/L	10	95	78	131			
trans-1,4-Dichloro-2-butene	36.7	ug/L	10	73	50	142			
Dichlorodifluoromethane	92.4	ug/L	10	185	55	141			S
1,1-Dichloroethane	49.6	ug/L	10	99	72	130			
1,2-Dichloroethane	54.8	ug/L	10	110	57	146			
1,1-Dichloroethene	54.4	ug/L	10	109	66	142			
cis-1,2-Dichloroethene	48.0	ug/L	10	93	74	133			
trans-1,2-Dichloroethene	50.0	ug/L	10	100	76	138			
1,2-Dichloropropane	45.2	ug/L	10	90	72	135			
cis-1,3-Dichloropropene	52.0	ug/L	10	104	75	132			
trans-1,3-Dichloropropene	56.4	ug/L	10	113	77	145			
Ethylbenzene	46.4	ug/L	10	93	78	131			
2-Hexanone	464	ug/L	200	93	72	131			
Iodomethane	54.8	ug/L	10	110	66	132			
Methyl ethyl ketone	432	ug/L	200	86	55	145			
Methyl isobutyl ketone	480	ug/L	200	96	73	129			
Methylene chloride	51.6	ug/L	10	103	73	126			
Styrene	46.8	ug/L	10	94	76	134			
1,1,1,2-Tetrachloroethane	48.8	ug/L	10	98	75	135			
1,1,2,2-Tetrachloroethane	46.0	ug/L	10	92	72	132			
Tetrachloroethene	46.0	ug/L	10	92	78	137			
Toluene	48.0	ug/L	10	96	78	134			
1,1,1-Trichloroethane	52.0	ug/L	10	104	64	141			
1,1,2-Trichloroethane	47.2	ug/L	10	94	72	133			
Trichloroethene	46.8	ug/L	10	94	75	138			
Trichlorofluoromethane	61.2	ug/L	10	122	58	139			
1,2,3-Trichloropropane	42.4	ug/L	10	85	67	133			
Vinyl acetate	45.6	ug/L	10	91	31	124			
Vinyl chloride	70.0	ug/L	10	140	66	140			
m+p-Xylenes	93.6	ug/L	10	94	78	133			
o-Xylene	49.6	ug/L	10	99	79	136			
Surr: 1,2-Dichloroethane-d4			10	118	70	130			
Surr: Dibromofluoromethane			10	107	77	126			
Surr: p-Bromofluorobenzene			10	98	76	127			
Surr: Toluene-d8			10	102	79	122			
Sample ID: B08092210-001Dmsd	Sample Matrix Spike Duplicate				Run: 5971A.I_080926B				09/27/08 02:11
Acetone	440	ug/L	200	88	62	130	2.7	20	
Acrylonitrile	452	ug/L	200	90	60	130	1.8	20	
Benzene	50.8	ug/L	10	102	71	133	2.4	20	
Bromochloromethane	50.8	ug/L	10	102	68	131	2.4	20	
Bromodichloromethane	53.2	ug/L	10	106	67	138	5.4	20	
Bromoform	47.6	ug/L	10	95	64	136	4.3	20	

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 09/29/08
Project: Landfill #102 **Work Order:** B08092210

Method: **SW8260B** Batch: R118307

Sample ID: **B08092210-001Dmsd** Sample Matrix Spike Duplicate Run: 5971A.I_080926B 09/27/08 02:11

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Bromomethane	63.6	ug/L	10	127	60	138	1.9	20	
Carbon disulfide	52.0	ug/L	10	104	46	145	3	20	
Carbon tetrachloride	52.8	ug/L	10	106	61	144	2.2	20	
Chlorobenzene	50.8	ug/L	10	102	78	136	7.3	20	
Chlorodibromomethane	52.4	ug/L	10	105	72	136	1.5	20	
Chloroethane	52.4	ug/L	10	105	64	136	9.5	20	
Chloroform	52.8	ug/L	10	106	69	133	0.8	20	
Chloromethane	56.8	ug/L	10	114	63	149	2.1	20	
1,2-Dibromo-3-chloropropane	46.0	ug/L	10	92	63	125	8.1	20	
1,2-Dibromoethane	51.6	ug/L	10	103	75	131	8.1	20	
Dibromomethane	52.8	ug/L	10	106	72	133	4.7	20	
1,2-Dichlorobenzene	47.6	ug/L	10	95	78	129	4.3	20	
1,4-Dichlorobenzene	49.6	ug/L	10	97	78	131	1.6	20	
trans-1,4-Dichloro-2-butene	38.4	ug/L	10	77	50	142	4.4	20	
Dichlorodifluoromethane	89.2	ug/L	10	178	55	141	3.5	20	S
1,1-Dichloroethane	49.6	ug/L	10	99	72	130	0	20	
1,2-Dichloroethane	50.8	ug/L	10	102	57	146	7.6	20	
1,1-Dichloroethene	54.8	ug/L	10	110	66	142	0.7	20	
cis-1,2-Dichloroethene	49.6	ug/L	10	96	74	133	3.3	20	
trans-1,2-Dichloroethene	52.8	ug/L	10	106	76	138	5.4	20	
1,2-Dichloropropane	50.0	ug/L	10	100	72	135	10	20	
cis-1,3-Dichloropropene	54.0	ug/L	10	108	75	132	3.8	20	
trans-1,3-Dichloropropene	58.4	ug/L	10	117	77	145	3.5	20	
Ethylbenzene	50.0	ug/L	10	100	78	131	7.5	20	
2-Hexanone	492	ug/L	200	98	72	131	5.9	20	
Iodomethane	54.0	ug/L	10	108	66	132	1.5	20	
Methyl ethyl ketone	432	ug/L	200	86	55	145	0	20	
Methyl isobutyl ketone	500	ug/L	200	100	73	129	4.1	20	
Methylene chloride	52.8	ug/L	10	106	73	126	2.3	20	
Styrene	50.8	ug/L	10	102	76	134	8.2	20	
1,1,1,2-Tetrachloroethane	52.0	ug/L	10	104	75	135	6.3	20	
1,1,2,2-Tetrachloroethane	48.8	ug/L	10	98	72	132	5.9	20	
Tetrachloroethene	48.4	ug/L	10	97	78	137	5.1	20	
Toluene	49.6	ug/L	10	99	78	134	3.3	20	
1,1,1-Trichloroethane	52.8	ug/L	10	106	64	141	1.5	20	
1,1,2-Trichloroethane	50.4	ug/L	10	101	72	133	6.6	20	
Trichloroethene	48.8	ug/L	10	98	75	138	4.2	20	
Trichlorofluoromethane	58.4	ug/L	10	117	58	139	4.7	20	
1,2,3-Trichloropropane	45.6	ug/L	10	91	67	133	7.3	20	
Vinyl acetate	45.6	ug/L	10	91	31	124	0	20	
Vinyl chloride	64.4	ug/L	10	129	66	140	8.3	20	
m+p-Xylenes	99.2	ug/L	10	99	78	133	5.8	20	
o-Xylene	51.2	ug/L	10	102	79	136	3.2	20	

Qualifiers:

RL - Analyte reporting limit. ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 09/29/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW8260B**									Batch: R118307
Sample ID: **B08092210-001Dmsd**	Sample Matrix Spike Duplicate				Run: 5971A.I_080926B				09/27/08 02:11
Surr: 1,2-Dichloroethane-d4			10	112	70	130			
Surr: Dibromofluoromethane			10	107	77	126			
Surr: p-Bromofluorobenzene			10	104	76	127			
Surr: Toluene-d8			10	100	79	122			
Sample ID: **bika092608**	Method Blank				Run: 5971A.I_080926B				09/27/08 03:24
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 09/29/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R118307
Sample ID: blka092608	Method Blank			Run: 5971A.I_080926B					09/27/08 03:24
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	113	70	130			
Surr: Dibromofluoromethane			1.0	107	77	126			
Surr: p-Bromofluorobenzene			1.0	108	76	127			
Surr: Toluene-d8			1.0	100	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/01/08
Work Order: B08092210

Method: **SW8260B** Analytical Run: SV5972.I_080930A

Sample ID: **ccv093008** Continuing Calibration Verification Standard 09/30/08 11:00

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	45.2	ug/L	20	90	70	130			
Acrylonitrile	44.4	ug/L	20	89	70	130			
Benzene	4.96	ug/L	1.0	99	70	130			
Bromochloromethane	5.08	ug/L	1.0	102	70	130			
Bromodichloromethane	4.92	ug/L	1.0	98	70	130			
Bromoform	4.84	ug/L	1.0	97	70	130			
Bromomethane	6.40	ug/L	1.0	128	70	130			
Carbon disulfide	5.20	ug/L	1.0	104	70	130			
Carbon tetrachloride	5.24	ug/L	1.0	105	70	130			
Chlorobenzene	5.00	ug/L	1.0	100	70	130			
Chlorodibromomethane	4.72	ug/L	1.0	94	70	130			
Chloroethane	5.76	ug/L	1.0	115	70	130			
Chloroform	5.04	ug/L	1.0	101	80	120			
Chloromethane	9.48	ug/L	1.0	190	70	130			S
1,2-Dibromo-3-chloropropane	4.16	ug/L	1.0	83	70	130			
1,2-Dibromoethane	4.96	ug/L	1.0	99	70	130			
Dibromomethane	4.76	ug/L	1.0	95	70	130			
1,2-Dichlorobenzene	4.48	ug/L	1.0	90	70	130			
1,4-Dichlorobenzene	4.80	ug/L	1.0	96	70	130			
trans-1,4-Dichloro-2-butene	5.92	ug/L	1.0	118	70	130			
Dichlorodifluoromethane	6.04	ug/L	1.0	121	70	130			
1,1-Dichloroethane	5.08	ug/L	1.0	102	70	130			
1,2-Dichloroethane	4.88	ug/L	1.0	98	70	130			
1,1-Dichloroethene	5.24	ug/L	1.0	105	80	120			
cis-1,2-Dichloroethene	4.76	ug/L	1.0	95	70	130			
trans-1,2-Dichloroethene	5.24	ug/L	1.0	105	70	130			
1,2-Dichloropropane	5.08	ug/L	1.0	102	80	120			
cis-1,3-Dichloropropene	5.12	ug/L	1.0	102	70	130			
trans-1,3-Dichloropropene	4.84	ug/L	1.0	97	70	130			
Ethylbenzene	5.08	ug/L	1.0	102	80	120			
2-Hexanone	44.8	ug/L	20	90	70	130			
Iodomethane	5.40	ug/L	1.0	108	70	130			
Methyl ethyl ketone	46.8	ug/L	20	94	70	130			
Methyl isobutyl ketone	45.2	ug/L	20	90	70	130			
Methylene chloride	4.88	ug/L	1.0	98	70	130			
Styrene	4.88	ug/L	1.0	98	70	130			
1,1,1,2-Tetrachloroethane	4.96	ug/L	1.0	99	70	130			
1,1,2,2-Tetrachloroethane	4.88	ug/L	1.0	98	70	130			
Tetrachloroethene	5.28	ug/L	1.0	106	70	130			
Toluene	5.16	ug/L	1.0	103	80	120			
1,1,1-Trichloroethane	5.20	ug/L	1.0	104	70	130			
1,1,2-Trichloroethane	4.72	ug/L	1.0	94	70	130			
Trichloroethene	5.40	ug/L	1.0	108	70	130			

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/01/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B						Analytical Run: SV5972.I_080930A			
Sample ID: ccv093008	Continuing Calibration Verification Standard					09/30/08 11:00			
Trichlorofluoromethane	5.76	ug/L	1.0	115	70	130			
1,2,3-Trichloropropane	4.56	ug/L	1.0	91	70	130			
Vinyl acetate	4.76	ug/L	1.0	95	70	130			
Vinyl chloride	5.96	ug/L	1.0	119	80	120			
m+p-Xylenes	10.1	ug/L	1.0	101	70	130			
o-Xylene	4.92	ug/L	1.0	98	70	130			
Xylenes, Total	15.0	ug/L	1.0		0	0			
Surr: 1,2-Dichloroethane-d4			1.0	95	60	136			
Surr: Dibromofluoromethane			1.0	102	70	132			
Surr: p-Bromofluorobenzene			1.0	102	78	160			
Surr: Toluene-d8			1.0	106	75	138			
Method: SW8260B						Batch: R118429			
Sample ID: lcs093008	Laboratory Control Sample				Run: SV5972.I_080930A	09/30/08 11:39			
Acetone	39.9	ug/L	20	80	62	130			
Acrylonitrile	41.6	ug/L	20	83	60	130			
Benzene	4.92	ug/L	1.0	98	71	133			
Bromochloromethane	4.68	ug/L	1.0	94	68	131			
Bromodichloromethane	4.56	ug/L	1.0	91	67	138			
Bromoform	4.48	ug/L	1.0	90	64	136			
Bromomethane	6.56	ug/L	1.0	131	60	138			
Carbon disulfide	5.24	ug/L	1.0	105	46	145			
Carbon tetrachloride	5.00	ug/L	1.0	100	61	144			
Chlorobenzene	4.92	ug/L	1.0	98	78	136			
Chlorodibromomethane	4.52	ug/L	1.0	90	72	136			
Chloroethane	5.68	ug/L	1.0	114	64	136			
Chloroform	4.84	ug/L	1.0	97	69	133			
Chloromethane	8.52	ug/L	1.0	170	63	149			S
1,2-Dibromo-3-chloropropane	4.44	ug/L	1.0	89	63	125			
1,2-Dibromoethane	4.80	ug/L	1.0	96	75	131			
Dibromomethane	4.68	ug/L	1.0	94	72	133			
1,2-Dichlorobenzene	4.56	ug/L	1.0	91	78	129			
1,4-Dichlorobenzene	4.80	ug/L	1.0	96	78	131			
trans-1,4-Dichloro-2-butene	5.68	ug/L	1.0	114	50	142			
Dichlorodifluoromethane	8.36	ug/L	1.0	167	55	141			S
1,1-Dichloroethane	4.88	ug/L	1.0	98	72	130			
1,2-Dichloroethane	4.68	ug/L	1.0	94	57	146			
1,1-Dichloroethene	5.16	ug/L	1.0	103	66	142			
cis-1,2-Dichloroethene	4.52	ug/L	1.0	90	74	133			
trans-1,2-Dichloroethene	5.16	ug/L	1.0	103	76	138			
1,2-Dichloropropane	4.88	ug/L	1.0	98	72	135			
cis-1,3-Dichloropropene	4.96	ug/L	1.0	99	75	132			
trans-1,3-Dichloropropene	5.04	ug/L	1.0	101	77	145			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/01/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW8260B**									Batch: R118429
Sample ID: **lcs093008**	Laboratory Control Sample				Run: SV5972.I_080930A				09/30/08 11:39
Ethylbenzene	4.88	ug/L	1.0	98	78	131			
2-Hexanone	43.2	ug/L	20	86	72	131			
Iodomethane	5.76	ug/L	1.0	115	66	132			
Methyl ethyl ketone	42.4	ug/L	20	85	55	145			
Methyl isobutyl ketone	42.8	ug/L	20	86	73	129			
Methylene chloride	4.64	ug/L	1.0	93	73	126			
Styrene	4.96	ug/L	1.0	99	76	134			
1,1,1,2-Tetrachloroethane	4.72	ug/L	1.0	94	75	135			
1,1,2,2-Tetrachloroethane	4.60	ug/L	1.0	92	72	132			
Tetrachloroethene	5.12	ug/L	1.0	102	78	137			
Toluene	5.00	ug/L	1.0	100	78	134			
1,1,1-Trichloroethane	5.04	ug/L	1.0	101	64	141			
1,1,2-Trichloroethane	4.48	ug/L	1.0	90	72	133			
Trichloroethene	5.16	ug/L	1.0	103	75	138			
Trichlorofluoromethane	5.44	ug/L	1.0	109	58	139			
1,2,3-Trichloropropane	4.04	ug/L	1.0	81	67	133			
Vinyl acetate	4.16	ug/L	1.0	83	31	124			
Vinyl chloride	6.68	ug/L	1.0	134	66	140			
m+p-Xylenes	10.0	ug/L	1.0	100	78	133			
o-Xylene	4.92	ug/L	1.0	98	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	94	70	130			
Surr: Dibromofluoromethane			1.0	100	77	126			
Surr: p-Bromofluorobenzene			1.0	98	76	127			
Surr: Toluene-d8			1.0	105	79	122			
Sample ID: **blk093008**	Method Blank				Run: SV5972.I_080930A				09/30/08 12:36
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/01/08
Work Order: B08092210

Method: SW8260B
Batch: R118429

Sample ID: blk093008 Method Blank Run: SV5972.I_080930A 09/30/08 12:36

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	94	70	130			
Surr: Dibromofluoromethane			1.0	103	77	126			
Surr: p-Bromofluorobenzene			1.0	102	76	127			
Surr: Toluene-d8			1.0	102	79	122			

Sample ID: B08092212-001Dms Sample Matrix Spike Run: SV5972.I_080930A 09/30/08 18:51

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	444	ug/L	200	89	62	130			
Acrylonitrile	452	ug/L	200	90	60	130			
Benzene	55.2	ug/L	10	110	71	133			
Bromochloromethane	56.0	ug/L	10	112	68	131			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/01/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R118429
Sample ID: B08092212-001Dms	Sample Matrix Spike				Run: SV5972.I_080930A				09/30/08 18:51
Bromodichloromethane	50.4	ug/L	10	101	67	138			
Bromoform	51.2	ug/L	10	102	64	136			
Bromomethane	70.4	ug/L	10	141	60	138			S
Carbon disulfide	56.0	ug/L	10	112	46	145			
Carbon tetrachloride	55.6	ug/L	10	111	61	144			
Chlorobenzene	54.4	ug/L	10	109	78	136			
Chlorodibromomethane	50.4	ug/L	10	101	72	136			
Chloroethane	59.6	ug/L	10	119	64	136			
Chloroform	54.4	ug/L	10	109	69	133			
Chloromethane	90.0	ug/L	10	180	63	149			S
1,2-Dibromo-3-chloropropane	44.8	ug/L	10	90	63	125			
1,2-Dibromoethane	54.8	ug/L	10	110	75	131			
Dibromomethane	53.6	ug/L	10	107	72	133			
1,2-Dichlorobenzene	48.8	ug/L	10	98	78	129			
1,4-Dichlorobenzene	52.0	ug/L	10	104	78	131			
trans-1,4-Dichloro-2-butene	63.6	ug/L	10	127	50	142			
Dichlorodifluoromethane	90.4	ug/L	10	181	55	141			S
1,1-Dichloroethane	54.0	ug/L	10	108	72	130			
1,2-Dichloroethane	52.8	ug/L	10	106	57	146			
1,1-Dichloroethene	56.8	ug/L	10	114	66	142			
cis-1,2-Dichloroethene	50.8	ug/L	10	102	74	133			
trans-1,2-Dichloroethene	56.8	ug/L	10	114	76	138			
1,2-Dichloropropane	53.6	ug/L	10	107	72	135			
cis-1,3-Dichloropropene	53.6	ug/L	10	107	75	132			
trans-1,3-Dichloropropene	56.8	ug/L	10	114	77	145			
Ethylbenzene	54.4	ug/L	10	109	78	131			
2-Hexanone	464	ug/L	200	93	72	131			
Iodomethane	65.2	ug/L	10	130	66	132			
Methyl ethyl ketone	476	ug/L	200	95	55	145			
Methyl isobutyl ketone	456	ug/L	200	91	73	129			
Methylene chloride	52.4	ug/L	10	105	73	126			
Styrene	53.6	ug/L	10	107	76	134			
1,1,1,2-Tetrachloroethane	52.8	ug/L	10	106	75	135			
1,1,2,2-Tetrachloroethane	52.4	ug/L	10	105	72	132			
Tetrachloroethene	56.4	ug/L	10	113	78	137			
Toluene	54.4	ug/L	10	109	78	134			
1,1,1-Trichloroethane	56.4	ug/L	10	113	64	141			
1,1,2-Trichloroethane	52.4	ug/L	10	105	72	133			
Trichloroethene	56.4	ug/L	10	113	75	138			
Trichlorofluoromethane	56.8	ug/L	10	114	58	139			
1,2,3-Trichloropropane	46.0	ug/L	10	92	67	133			
Vinyl acetate	47.6	ug/L	10	95	31	124			
Vinyl chloride	71.6	ug/L	10	143	66	140			S

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/01/08
Work Order: B08092210

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R118429	
Sample ID: B08092212-001Dms	Sample Matrix Spike				Run: SV5972.I_080930A			09/30/08 18:51	
m+p-Xylenes	111	ug/L	10	111	78	133			
o-Xylene	54.8	ug/L	10	110	79	136			
Surr: 1,2-Dichloroethane-d4			10	94	70	130			
Surr: Dibromofluoromethane			10	101	77	126			
Surr: p-Bromofluorobenzene			10	102	76	127			
Surr: Toluene-d8			10	102	79	122			
Sample ID: B08092212-001Dmsd	Sample Matrix Spike Duplicate				Run: SV5972.I_080930A			09/30/08 19:20	
Acetone	440	ug/L	200	88	62	130	0.9	20	
Acrylonitrile	440	ug/L	200	88	60	130	2.7	20	
Benzene	50.8	ug/L	10	102	71	133	8.3	20	
Bromochloromethane	52.0	ug/L	10	104	68	131	7.4	20	
Bromodichloromethane	48.0	ug/L	10	96	67	138	4.9	20	
Bromoform	48.0	ug/L	10	96	64	136	6.5	20	
Bromomethane	68.0	ug/L	10	136	60	138	3.5	20	
Carbon disulfide	52.8	ug/L	10	106	46	145	5.9	20	
Carbon tetrachloride	52.8	ug/L	10	106	61	144	5.2	20	
Chlorobenzene	53.2	ug/L	10	106	78	136	2.2	20	
Chlorodibromomethane	47.6	ug/L	10	95	72	136	5.7	20	
Chloroethane	58.0	ug/L	10	116	64	136	2.7	20	
Chloroform	51.6	ug/L	10	103	69	133	5.3	20	
Chloromethane	88.4	ug/L	10	177	63	149	1.8	20	S
1,2-Dibromo-3-chloropropane	52.0	ug/L	10	104	63	125	15	20	
1,2-Dibromoethane	52.0	ug/L	10	104	75	131	5.2	20	
Dibromomethane	51.6	ug/L	10	103	72	133	3.8	20	
1,2-Dichlorobenzene	49.2	ug/L	10	98	78	129	0.8	20	
1,4-Dichlorobenzene	50.4	ug/L	10	101	78	131	3.1	20	
trans-1,4-Dichloro-2-butene	59.2	ug/L	10	118	50	142	7.2	20	
Dichlorodifluoromethane	87.6	ug/L	10	175	55	141	3.1	20	S
1,1-Dichloroethane	50.4	ug/L	10	101	72	130	6.9	20	
1,2-Dichloroethane	50.0	ug/L	10	100	57	146	5.4	20	
1,1-Dichloroethene	53.2	ug/L	10	106	66	142	6.5	20	
cis-1,2-Dichloroethene	48.0	ug/L	10	96	74	133	5.7	20	
trans-1,2-Dichloroethene	53.6	ug/L	10	107	76	138	5.8	20	
1,2-Dichloropropane	51.6	ug/L	10	103	72	135	3.8	20	
cis-1,3-Dichloropropene	51.6	ug/L	10	103	75	132	3.8	20	
trans-1,3-Dichloropropene	54.8	ug/L	10	110	77	145	3.6	20	
Ethylbenzene	50.4	ug/L	10	101	78	131	7.6	20	
2-Hexanone	464	ug/L	200	93	72	131	0	20	
Iodomethane	60.8	ug/L	10	122	66	132	7	20	
Methyl ethyl ketone	472	ug/L	200	94	55	145	0.8	20	
Methyl isobutyl ketone	456	ug/L	200	91	73	129	0	20	
Methylene chloride	50.0	ug/L	10	100	73	126	4.7	20	

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill #102

Report Date: 10/01/08
Work Order: B08092210

Method: SW8260B — Batch: R118429

Sample ID: B08092212-001Dmsd — Sample Matrix Spike Duplicate — Run: SV5972.I_080930A — 09/30/08 19:20

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Styrene	51.2	ug/L	10	102	76	134	4.6	20	
1,1,1,2-Tetrachloroethane	50.0	ug/L	10	100	75	135	5.4	20	
1,1,2,2-Tetrachloroethane	50.8	ug/L	10	102	72	132	3.1	20	
Tetrachloroethene	52.0	ug/L	10	104	78	137	8.1	20	
Toluene	51.6	ug/L	10	103	78	134	5.3	20	
1,1,1-Trichloroethane	52.8	ug/L	10	106	64	141	6.6	20	
1,1,2-Trichloroethane	48.4	ug/L	10	97	72	133	7.9	20	
Trichloroethene	52.4	ug/L	10	105	75	138	7.4	20	
Trichlorofluoromethane	54.4	ug/L	10	109	58	139	4.3	20	
1,2,3-Trichloropropane	43.2	ug/L	10	86	67	133	6.3	20	
Vinyl acetate	46.4	ug/L	10	93	31	124	2.6	20	
Vinyl chloride	68.0	ug/L	10	136	66	140	5.2	20	
m+p-Xylenes	106	ug/L	10	106	78	133	5.2	20	
o-Xylene	52.8	ug/L	10	106	79	136	3.7	20	
Surr: 1,2-Dichloroethane-d4			10	95	70	130			
Surr: Dibromofluoromethane			10	103	77	126			
Surr: p-Bromofluorobenzene			10	100	76	127			
Surr: Toluene-d8			10	105	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Energy Laboratories Inc
Workorder Receipt Checklist

Richland County Health Dept

B08092210

Login completed by: Jill M. Lippard

Date and Time Received: 9/23/2008 8:45 AM

Reviewed by: Denise Ruby

Received by: smr

Reviewed Date: 9/24/2008 8:42:00 AM

Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	1°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☑	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	Not Applicable ☐

Contact and Corrective Action Comments:

Did not receive any containers for S-5 since this sample site was dry. One of the vials for 8260 analysis on Lamphier contains headspace, but should be ok to analyze. Samples SL-3, SL-4, and DUP for nutrients were received at pH~6, 2 mL H2SO4 added to preserve to pH <2.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: Richland County

Project Name, PWS, Permit, Etc.: Landfill #102

Sample Origin State:

EPA/State Compliance: Yes ☐ No ☐

Report Mail Address: 1201 West Holly Suite 5

Contact Name: Kelly Logan

Phone/Fax: 433-6876

Email:

Sampler: (Please Print)

Invoice Address: Sidney MT 59270

Invoice Contact & Phone:

Purchase Order:

Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW ☐ A2LA
☐ GSA ☐ EDD/EDT(Electronic Data)
☐ POTW/WWTP Format: ____________
☐ State: __________ ☐ LEVEL IV
☐ Other: __________ ☐ NELAC

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids
Vegetation Bioassay Other

ANALYSIS REQUESTED: VOC'S, ION, METALS, nutrients

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments: do not test for thallium silver mercury arsenic cobalt, selenium cadmium chromium

Table 1 Landfill List per history (ml)

Shipped by: RTRN UPS GRD

Cooler ID(s): x2

Receipt Temp 1 °C

On Ice: [✓ Yes] No

Custody Seal Y [✓ N]
Intact Y [✓ N]
Signature Match Y [✓ N]

Trip Blank 1 logged separately on B08092212

		SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	LABORATORY USE ONLY
2	1	SL-1	9-19	1810	W	C08092210-1
1	2	SL-2	9-19	1710		-2
1	3	SL-3	9-19-08	1620		-3
2	4	SL-4	9-20	1020		-4
2	5	SL-5	9-20	1146		-5
2	6	S-3	9-20	1255		-6
	7	S-5	dry			~~-7~~ Didn't recen
2	8	Lamphier	9-20	1220		-7
2	9	Dup	9-20			-8
	10	Trip Blank 2, Lot 091108 B-HC SHP0257				-9

Custody Record MUST be Signed

Relinquished by (print): Kelly Logan Date/Time: 9/22/08 Signature: KLogan
Received by (print): UPS Date/Time: Signature:
Relinquished by (print): Date/Time: Signature:
Received by (print): Date/Time: Signature:
Sample Disposal: Return to Client: ________ Lab Disposal: ________
Received by Laboratory: Sandy Rusch Date/Time: 9-23-08 8:45 Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Oxford.
Esselte
10% P5

County Richland

Facility & # Richland Co #102

Closure

Finan Assur

GW Corr Meas

[✓ GW Monitoring]

GW Reports

Inspections

Other: ____________________

Landfarm

Liner

Methane

O & M

Run-on

Richland County Landfill # 102

April 2008

DISTRICT SANITARIAN
RICHLAND and McCONE COUNTY HEALTH DEPARTMENTS

1201 West Holly St. Suite 5 Sidney, MT 59270 Phone: 406-433-6876

MEMORANDUM

RECEIVED
AUG 15 2008
Dept. of Enviro. Quality
Waste & Underground
Tank Management Bureau

TO: DEQ/Permitting & Compliance/Solid Waste

FROM: Kelly Logan

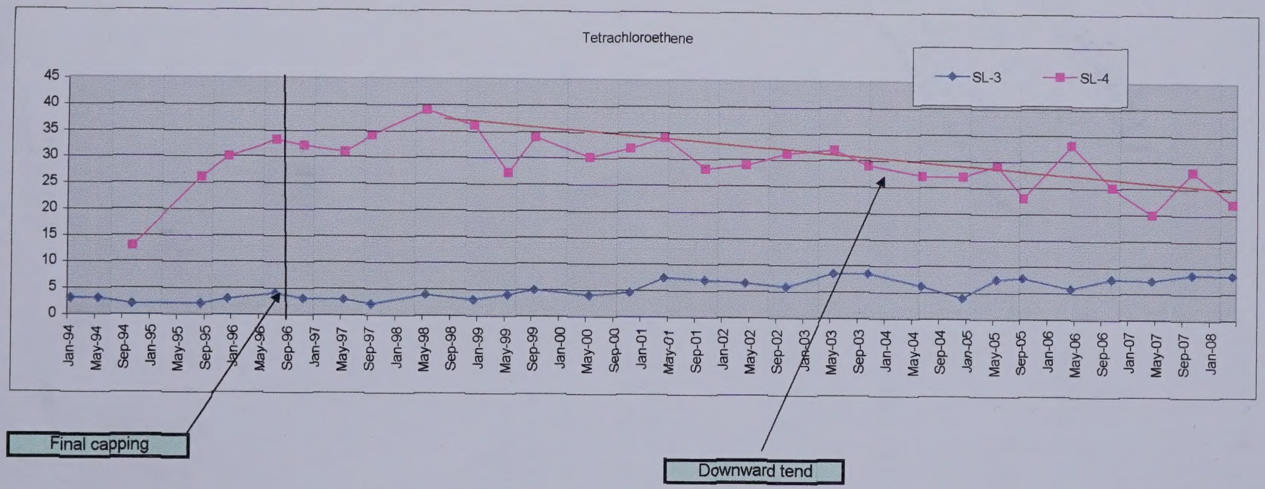
DATE: August 11, 2008

SUBJECT: Richland County Landfill # 102 – April 2008 sampling

Groundwater samples were collected from Richland County Landfill #102 during April. Quality control data was satisfactory. A field duplicate was collected from S-3. Below is a sampling summary for landfill # 102.

- Analytical results are similar to past events.
- S-5 not sampled. No collection point (outlet line damaged).
- Groundwater flow is to the southeast. The water table is relatively flat with water mounded at SL-1.
- The fluctuation in the tetrachloroethene value at SL-4 is following an up and down pattern. The overall tend is that tetrachloroethene value is decreasing.
- Next scheduled sampling if for September/October 2008.

SL-4	Tetrachloroethene	Trichloroethene	Cis-1,2 dichloroethene	Trans-1,2 dichloroethene Vinyl chloride
05/30/98	39	2	2	< 1
10/27/01	28	1	1.2	< 1
4/21/07	20	< 1	<1	<1
4/12/08	22	<1	<1	<1
SL-3				
05/30/98	4	< 1	2	< 1
10/27/01	7.0	1.1	6.9	<1
4/21/07	7.4	1.1	3.3	<1
4/12/08	8.4	1.4	3.1	<1



Final capping

Downward tend

Parameters Exceeding Groundwater Protection Standards

Richland County Landfill # 102 April 2008

PARAMETERS	UNITS	GWPS	SL-1	SL-2	SL-3	SL-4	SL-5
Methylene chloride	ug/l	5*	<1	<1	< 1	<1	<1
Tetrachloroethene	ug/l	5*	<1	**4.6**	**8.4**	**22**	<1
Barium	mg/l	2**	1	0.4	**3.2**	0.1	0.3
Nitrate + nitrite	mg/l	10**	**25.5**	4.72	0.79	**17.7**	0.4

*Maximum Contaminant Level based on EPA Primary Drinking Water Standards
**Human Health Standards based on MT DEQ Circular WQB-7

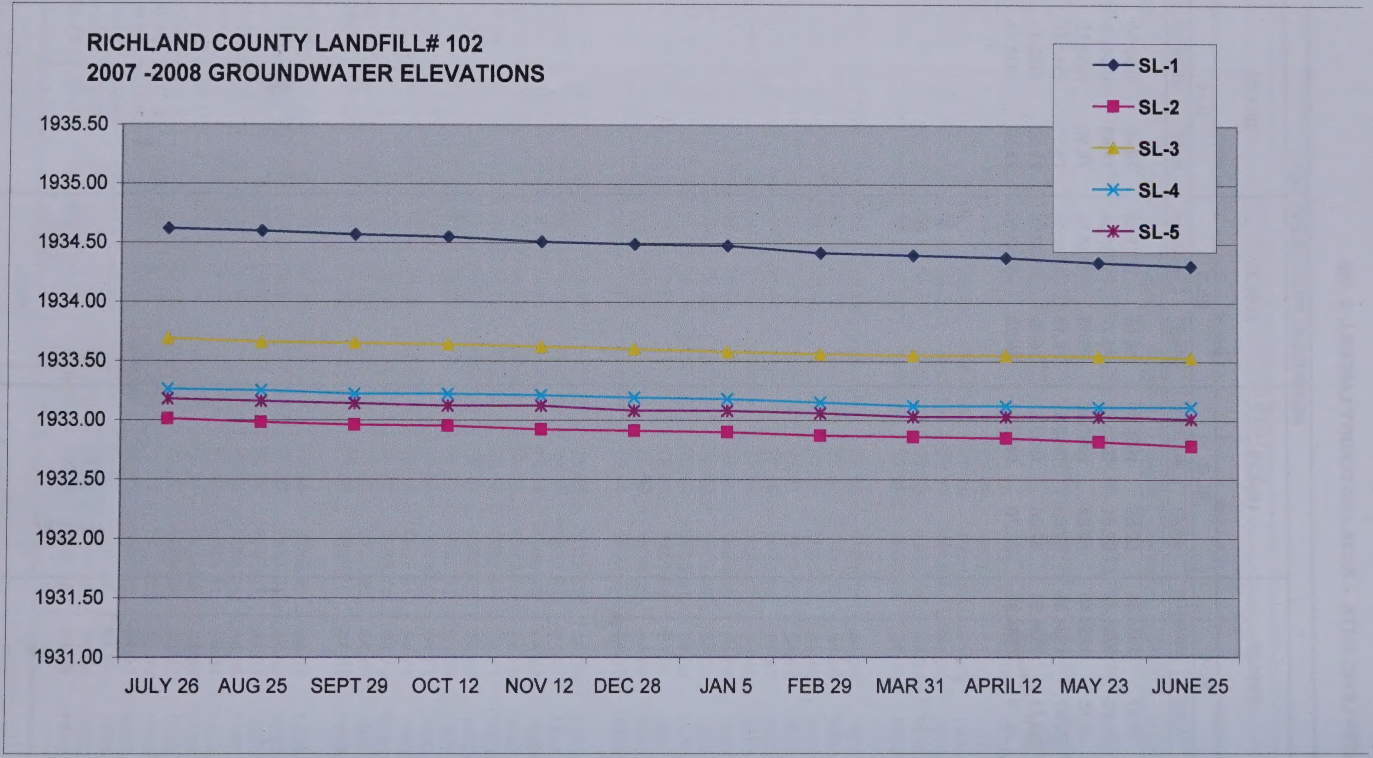
GROUNDWATER LEVEL DATA - RICHLAND COUNTY LANDFILL # 102

	MEASURING POINT ELEVATION									
	1964.05		1985.48		2009.73		2011.63		2018.06	
	SL-1		SL-2		SL-3		SL-4		SL-5	
date	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation
01/12/04	29.16	1934.89	52.04	1933.44	75.77	1933.96	77.88	1933.75	84.38	1933.68
03/30/04	27.79	1936.26	51.65	1933.83	75.68	1934.05	77.86	1933.77	84.33	1933.73
04/28/04	27.98	1936.07	51.53	1933.95	75.58	1934.15	77.86	1933.77	84.23	1933.83
05/26/04	28.24	1935.81	51.54	1933.94	75.50	1934.23	77.70	1933.93	84.24	1933.82
06/05/04	28.33	1935.72	51.57	1933.91	75.49	1934.24	77.78	1933.85	84.16	1933.90
07/31/04	28.58	1935.47	51.71	1933.77			77.76	1933.87	84.20	1933.86
08/28/04	28.67	1935.38	51.76	1933.72	75.48	1934.25	77.75	1933.88	84.19	1933.87
09/24/04	28.75	1935.30	51.82	1933.66	75.51	1934.22	77.77	1933.86	84.23	1933.83
11/30/04	28.91	1935.14	51.92	1933.56	75.67	1934.06	77.83	1933.80	84.33	1933.73
12/13/04	28.95	1935.10	51.95	1933.53	75.59	1934.14	77.85	1933.78	84.35	1933.71
01/05/05	29.00	1935.05	51.99	1933.49	75.63	1934.10	77.88	1933.75	84.38	1933.68
02/16/05	29.06	1934.99	52.01	1933.47	75.65	1934.08	77.90	1933.73	84.40	1933.66
03/25/05	29.08	1934.97	52.04	1933.44	75.66	1934.07	77.91	1933.72	84.42	1933.64
04/13/05	29.10	1934.95	52.04	1933.44	75.67	1934.06	77.91	1933.72	84.43	1933.63
05/13/05	29.15	1934.90	52.08	1933.40	75.71	1934.02	77.94	1933.69	84.47	1933.59
06/19/05	29.19	1934.86	52.11	1933.37	75.72	1934.01	77.96	1933.67	84.49	1933.57
07/13/05	29.21	1934.84	52.12	1933.36	75.74	1933.99	77.97	1933.66	84.50	1933.56
08/19/05	29.22	1934.83	52.14	1933.34	75.76	1933.97	77.99	1933.64	84.51	1933.55
09/09/05	29.23	1934.82	52.11	1933.37	75.78	1933.95	78.00	1933.63	84.52	1933.54
10/12/05	29.26	1934.79	52.19	1933.29	75.80	1933.93	78.02	1933.61	84.55	1933.51
11/07/05	29.29	1934.76	52.21	1933.27	75.83	1933.90	78.04	1933.59	84.59	1933.47
12/12/05	29.31	1934.74	52.24	1933.24	75.84	1933.89	78.06	1933.57	84.59	1933.47
01/28/06	29.35	1934.70	52.27	1933.21	75.88	1933.85	78.08	1933.55	84.63	1933.43
02/28/06	29.36	1934.69	52.28	1933.20	75.90	1933.83	78.10	1933.53	84.67	1933.39
03/17/06	29.38	1934.67	52.30	1933.18	75.91	1933.82	78.11	1933.52	84.65	1933.41
04/21/06	29.35	1934.70	52.30	1933.18	75.91	1933.82	78.13	1933.50	84.69	1933.37
05/12/06	29.01	1935.04	52.19	1933.29	75.92	1933.81	78.16	1933.47	84.71	1933.35
06/17/06	29.05	1935.00	52.17	1933.31	75.93	1933.80	78.17	1933.46	84.69	1933.37
07/09/06	29.09	1934.96	52.19	1933.29	75.93	1933.80	78.18	1933.45	84.69	1933.37
08/11/06	29.17	1934.88	52.26	1933.22			78.20	1933.43	84.71	1933.35
09/19/06	29.25	1934.80	52.31	1933.17	75.95	1933.78	78.22	1933.41	84.74	1933.32
10/06/06	29.25	1934.80	52.31	1933.17	75.95	1933.78	78.22	1933.41	84.74	1933.32
11/07/06	29.30	1934.75	52.33	1933.15	75.95	1933.78	78.23	1933.40	84.76	1933.30
12/27/06	29.37	1934.68	52.38	1933.10	75.99	1933.74	78.28	1933.35	84.80	1933.26
01/20/07	29.39	1934.66	52.38	1933.10	75.99	1933.74	78.28	1933.35	84.81	1933.25
02/11/07	29.42	1934.63	52.39	1933.09	76.01	1933.72	78.30	1933.33	84.85	1933.21
03/18/07	29.45	1934.60	52.41	1933.07	76.02	1933.71	78.32	1933.31	84.84	1933.22
04/20/07	29.49	1934.56	52.44	1933.04	76.02	1933.71	78.32	1933.31	84.86	1933.20
05/12/07	29.50	1934.55	52.44	1933.04	76.01	1933.72	78.32	1933.31	84.84	1933.22
06/23/07	29.43	1934.62	52.46	1933.02	76.03	1933.70	78.34	1933.29	84.89	1933.17
07/26/07	29.43	1934.62	52.47	1933.01	76.04	1933.69	78.37	1933.26	84.88	1933.18
08/25/07	29.45	1934.60	52.50	1932.98	76.07	1933.66	78.38	1933.25	84.90	1933.16
09/29/07	29.48	1934.57	52.52	1932.96	76.08	1933.65	78.41	1933.22	84.92	1933.14
10/12/07	29.50	1934.55	52.53	1932.95	76.09	1933.64	78.41	1933.22	84.94	1933.12
11/12/07	29.54	1934.51	52.56	1932.92	76.11	1933.62	78.42	1933.21	84.94	1933.12
12/28/07	29.56	1934.49	52.57	1932.91	76.13	1933.60	78.44	1933.19	84.98	1933.01

GROUNDWATER LEVEL DATA - RICHLAND COUNTY LANDFILL # 102

	MEASURING POINT ELEVATION									
	1964.05		1985.48		2009.73		2011.63		2018.06	
	SL-1		SL-2		SL-3		SL-4		SL-5	
date	depth	elevation	depth	elevation	depth	elevation	depth	elevation	depth	elevation
01/05/08	29.57	1934.48	52.58	1932.90	76.15	1933.58	78.45	1933.18	84.98	1933.08
02/29/08	29.63	1934.42	52.61	1932.87	76.17	1933.56	78.48	1933.15	85.00	1933.06
03/31/08	29.65	1934.40	52.62	1932.86	76.18	1933.55	78.50	1933.13	85.03	1933.03
04/12/08	29.67	1934.38	52.63	1932.85	76.18	1933.55	78.51	1933.12	85.03	1933.03
05/23/08	29.71	1934.34	52.66	1932.82	76.19	1933.54	78.52	1933.11	85.03	1933.03
06/25/08	29.74	1934.31	52.70	1932.78	76.20	1933.53	78.52	1933.11	85.05	1933.01

	JULY 26	AUG 25	SEPT 29	OCT 12	NOV 12	DEC 28	JAN 5	FEB 29	MAR 31	APRIL12	MAY 23	JUNE 25
SL-1	1934.62	1934.60	1934.57	1934.55	1934.51	1934.49	1934.48	1934.42	1934.40	1934.38	1934.34	1934.31
SL-2	1933.01	1932.98	1932.96	1932.95	1932.92	1932.91	1932.90	1932.87	1932.86	1932.85	1932.82	1932.78
SL-3	1933.69	1933.66	1933.65	1933.64	1933.62	1933.60	1933.58	1933.56	1933.55	1933.55	1933.54	1933.53
SL-4	1933.26	1933.25	1933.22	1933.22	1933.21	1933.19	1933.18	1933.15	1933.12	1933.12	1933.11	1933.11
SL-5	1933.18	1933.16	1933.14	1933.12	1933.12	1933.08	1933.08	1933.06	1933.03	1933.03	1933.03	1933.01


RICHLAND COUNTY LANDFILL# 102
2007 -2008 GROUNDWATER ELEVATIONS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME April 13, 2008 STATION Lamphier

WEATHER Sunny 7 WIND ____ @ ____ MPH

CASING TYPE ________ CASING DIAMETER ________ CASING STICKUP ________

MEASURING PT. ________ DEPTH TO WATER ________ TOTAL DEPTH ________

WELL EXCAVATION DISPOSABLE BAILER ________ OTHER ________

ONE CASING VOLUME = ________ GALLONS X 3 = ________ GALLONS

COMMENTS grab

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1550	grab	8.0	7.67	568

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 4 - 40 ML VOA VOC HCL

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

✓ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ________

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME April 12, 2008 STATION S-5

WEATHER P. cldy T = 50°+ WIND NNW @ 15 MPH

CASING TYPE ________ CASING DIAMETER ________ CASING STICKUP ________

MEASURING PT. ________ DEPTH TO WATER ________ TOTAL DEPTH ________

WELL EXCAVATION DISPOSABLE BAILER ________ OTHER ________

ONE CASING VOLUME = ________ GALLONS X 3 = ________ GALLONS

COMMENTS spring in Beagle's pasture

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1500	0	—	—	—

SAMPLE [✓ NATURAL] ~~DUPLICATE~~ X-CONTAM. TRIP BLANK BLIND

____ 4 - 40 ML VOA VOC HCL + None

____ 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

____ 1 – 500 ML PLASTIC COMMON IONS NONE

____ 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

____ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS – outlet line busted by tank
– no collection point

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME April 13, 2008 STATION S-3

WEATHER sunny. T=55°F WIND SW @ 10 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER ____ TOTAL DEPTH ____

WELL EXCAVATION DISPOSABLE BAILER ____ OTHER ____

ONE CASING VOLUME = ____ GALLONS X 3 = ____ GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1230	grab	10.5	7.35	1114

SAMPLE [✓ NATURAL] [✓ DUPLICATE] X-CONTAM. TRIP BLANK BLIND

8 4 40 ML VOA VOC HCL + none

2 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

2 1 – 500 ML PLASTIC COMMON IONS NONE

2 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

2 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS nice day

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME April 12, 2008 STATION SL-1

WEATHER p. cldy T=55° WIND NNW @ 20 MPH

CASING TYPE ____ CASING DIAMETER ____ CASING STICKUP ____

MEASURING PT. ____ DEPTH TO WATER 29.67 TOTAL DEPTH 31.12

WELL EXCAVATION DISPOSABLE BAILER X OTHER rope

ONE CASING VOLUME = ____ GALLONS X 3 = 0.75 GALLONS

COMMENTS ____

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1516	0			~~916~~
1550	0.75	11.0	7.02	916

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 4 40 ML VOA VOC HCL + NONE

X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4

X 1 – 500 ML PLASTIC COMMON IONS NONE

X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3

✓ 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS not much H_2O in well
slow to recharge

pH slope 90.8 K-std 1413 reads 1427

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME April 13, 2008 STATION SL-2

WEATHER sunny T=57° WIND SW @ 15 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER 52.63 TOTAL DEPTH 59.06

WELL EXCAVATION DISPOSABLE BAILER X OTHER rope

ONE CASING VOLUME = ______ GALLONS X 3 = 3.25 GALLONS

COMMENTS ______

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1420	0			
1455	3.25	10.0	6.8	1246

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 4 - 40 ML VOA VOC HCL + none
X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4
X 1 – 500 ML PLASTIC COMMON IONS NONE
X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3
X 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME April 12, 2008 STATION SL-3

WEATHER windy, p.cly, T=55 WIND NW @ 20 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER 76.18 TOTAL DEPTH 88.07

WELL EXCAVATION DISPOSABLE BAILER X OTHER rope

ONE CASING VOLUME = ______ GALLONS X 3 = 6 GALLONS

COMMENTS ______

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1600	0			
1703	6	10.5°C	6.6	3000

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 4 - 40 ML VOA VOC HCL + none
X 1 – 250 ML PLASTIC NUTRIENTS H_2SO_4
X 1 – 500 ML PLASTIC COMMON IONS NONE
X 1 – 250 ML PLASTIC METALS FILTERED - HNO_3
X 1 – 250 ML PLASTIC CYANIDE NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS ______

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME April 12, 2008 STATION SL-4

WEATHER Windy ; some clds, T≈50°F WIND NW @ 25 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER 78.51 TOTAL DEPTH 92.5

WELL EXCAVATION DISPOSABLE BAILER X OTHER rope

ONE CASING VOLUME = ______ GALLONS X 3 = 7 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1720	0			
1817	7	10.0	6.9	2383

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

4 X – 40 ML VOA	VOC	HCL & none
X 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X 1 – 500 ML PLASTIC	COMMON IONS	NONE
X 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
X 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

GROUNDWATER SAMPLING LOG - RICHLAND COUNTY LANDFILL NO. 102

DATE/TIME April 13, 2008 STATION SL-5

WEATHER Sunny T≈ 55° WIND SW @ 10 MPH

CASING TYPE ______ CASING DIAMETER ______ CASING STICKUP ______

MEASURING PT. ______ DEPTH TO WATER 85.03 TOTAL DEPTH 97.0

WELL EXCAVATION DISPOSABLE BAILER X OTHER nylon rope

ONE CASING VOLUME = ______ GALLONS X 3 = 6 GALLONS

COMMENTS

TIME	CUMULATIVE GALLONS	TEMPERATURE	pH	SPECIFIC CONDUCTANCE
1300	0			
1400	6	10.5	7.4	696

SAMPLE [✓ NATURAL] DUPLICATE X-CONTAM. TRIP BLANK BLIND

X 4 – 40 ML VOA	VOC	HCL + none
X 1 – 250 ML PLASTIC	NUTRIENTS	H_2SO_4
X 1 – 500 ML PLASTIC	COMMON IONS	NONE
X 1 – 250 ML PLASTIC	METALS	FILTERED - HNO_3
X 1 – 250 ML PLASTIC	CYANIDE	NAOH

DECONTAMINATION SCRUB - LIQUINOX - D.I. H_2O - NITRIC ACID - METHANOL

COMMENTS

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RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$NO_3 + NO_2$ as N	Cyanide	COD
			lab	field	lab	field					
06/23/93	1755	16.5	627	531	7.5	7.3	43	20	.57	.005 U	56
06/21/95	0845	10.0	321	307	8.5	8.4	17	4	.04 F	.005 U	5 F
08/01/95	1830	11.0		320		8.5					
12/19/95	1730	7.5	354	370	8.4	8.8	19	4	.05 U		5 F
09/13/97	1540	17.0	384	440	8.0	8.1	30	4	.05 U		5 F
05/30/98	1540	11.0	398	430	7.9	7.6	22	10	.31		5 U
12/13/98	1350	12.0	410	480	7.8	6.8	36	8	.05 U	.005 U	5 U
05/21/99	1545	9.5	377	400	7.9	7.9	24	8	.13	.005 U	5 U
09/25/99	1215	14.0	379	530	7.8	6.9	21	6	.17		5 U
05/27/00	1545	10.0	574	630	7.6	7.6	36	8	.05 J	.005 M	5 F
11/20/00	0930	10.0	478	500	7.9		26	8	.13		
04/28/01	1430	11.0	780	830	7.3	7.3	36	15	.84	.005 U	13
10/27/01	1515	11.0	677	730	7.3		33	13	.05 U		
04/27/02	1815	9.0	733	780	7.4	6.6	32	14	.05 U	.005 U	4
10/26/02	1215	10.0	676	700	7.5	6.9	25	12	.11		7
05/31/03	1040	10.0	792	830	7.2	7.5	30	16	.06	.005 U	1 U
10/04/03	1030	12.0	678	780	7.1	6.6	26	14	.05		1 U
06/06/04	1730	10.0	994	1000	7.2	6.7	35	25	.05 U	.005 U	2
12/03/04	1110	8.5	841	910	6.9	7.5	31	21	.05 U		3
05/15/05	1800	10.0	860	820	7.3	7.4	31	23	.05 U	.005 U	3
09/10/05	1535	10.5	984	1026	7.6	7.4	34	29	.05 U		1
10/09/06	1050	10.0	1150	1164	7.2	7.0	26	38	.05 U		4
04/21/07	1750	8.0	747	720	7.4	7.3	25	19	.51	.005 U	2
10/13/07	1020	18.0	1000	1036	6.9	7.1	28	33	.05 U		4
04/13/08	1550	8.0	641	568	7.4	7.7	18	17	.20	.005 U	10

LAMPHIER

PHYSICAL PARAMETERS, IONS, & NUTRIENTS

LAMPHIER

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
06/23/93	.01 U	.008	.30	.002 U	.0005 U	.002 U	.005 U	.001 U	.74	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
06/21/95	.002 U	.005 U	.11	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
12/19/95	.002 U		.11	.002 U				.001 U	.05 J	.002 U		.02 U				.05 U	.06
09/13/97	.003 U		.12	.001 U				.002	.05 U	.003 U		.02 U				.05 U	.70
05/30/98	.003 U	.005 U	.14	.001 U	.0001 U	.001 U	.001 U	.002	.05J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.61
12/13/98	.003 U		.16	.001 U				.007	.05 J	.003 U		.02 U				.05 U	.42
05/21/99	.003 U	.005 U	.15	.001 U	.0001 U	.001 U	.002 U	.004	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.43
09/25/99	.003 U		.15	.001 U		.002			.06	.003 U		.02 J				.05 U	.32
05/27/00	.003 U	.005 U	.21	.001 U	.0001 J	.005 J	.002 J	.005 U	.28	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 U	.21
11/20/00	.05 U		.20	.001 U				.02	.14	.01 U		.01 U				.1 U	.58
04/28/01	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.55 F	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.27
10/27/01	.05 U		.3	.001 U				.01 U	.35	.01 U		.01 U				.1 U	.54
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.24	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.69
10/26/02	.05 U		.3	.001 U				.02	1.70	.01 U		.01 U				.1 U	.68
05/31/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.27	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.53
10/04/03	.05 U		.3	.001 U				.01 U	.25	.01 U		.01 U				.1 U	.86
06/06/04	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.85	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.44
12/03/04	.05 U		.4	.001 U				.01 U	.54	.01 U		.01 U				.1 U	.71
05/15/05	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.70	.01 U	.001 U	.01 U	.005 U	.005 U	.1	.1 U	.74
09/10/05	.05 U		.5	.001 U				.01 U	.79	.01 U		.01 U				.1 U	.52
10/09/06	.05 U		.5	.001 U				.01 U	.89	.01 U		.01 U				.1 U	1.54
04/21/07	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.73
10/13/07	.05 U		.5	.001 U				.01 U	.94	.01 U		.01 U				.1 U	1.95
04/13/08	.005 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.78

LAMPHIER TRACE METALS

LAMPHIER **RICHLAND COUNTY LANDFILL # 102**

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 U	5 U	1 U
12/19/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/20/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/15/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

LAMPHIER

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/19/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/20/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/06/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/15/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

LAMPHIER

ORGANICS - TABLE ONE LIST

LAMPHIER RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/19/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/20/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/15/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity umhos/cm		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
			lab	field	lab	field					
06/23/93	0745	9.9	1280	1242	7.5	6.7	116	186	.18	.005 U	6
12/20/95	1415	7.5	1260	1180	8.0 H	R	160	157	.05 U		12 F
07/14/96	1830	13.0	1200	1280	7.3	7.1	166	252 F	.05 U	.005 U	8
11/24/96	1610		1210	1300	7.2	7.8	185	140	.05 U	.005 U	6
05/17/97	1600	13.0	1210	1280	7.2	7.1	188	143	.05 U	.005 U	7
09/13/97	1430	14.0	1200	1250	7.2	7.3	152	143	.05 U		7 F
05/29/98	1735	12.0	1200	1250	7.2	7.0	161	155	.05 J		5 U
12/13/98	1300	9.0	1110	1240	7.3	6.6	147	126	.05 U	.005 M	5 U
12/13/98 D			1150		7.3		148	130	.05 U		5
05/22/99	1345	12.0	1160	1240	7.2	6.8	155	123	.05 U	.005 M	5
09/25/99	1330	12.0	1100	1170	7.3	6.6	130	112	.05 U		8
05/27/00	1430	15.0	1130	1200	7.3	7.2	165	125	.05 J	.005 M	10 F
11/16/00	1540	8.0	1090	1240	7.6	6.4	159	130	.05 U		
04/28/01	1330	14.0	1190	1250	7.1	7.2	166	134	.05 U	.005 U	10
10/26/01	1800	9.0	1070	1200	7.2		155	130	.05 U		
04/27/02	1330	7.0	1140	1250	7.4	6.3	147	129	.05 U	.005 U	7
10/26/02	1130	10.0	1180	1190	7.5	6.3	143	119	.05 U		14
05/31/03	0850	9.5	1200	1220	7.2	7.1	159	114	.05 U	.005 U	2
10/04/03	0830	9.0	1100	1200	7.3	7.0	167	118	.05 U		4
06/06/04	1700	10.0	1070	1190	7.3	7.0	180	94	.05 U	.005 U	8
12/03/04	1130	9.0	1080	1200	7.1	7.2	164	102	.05 U		8
05/14/05	0920	8.0	1120	1210	7.4	7.0	178	106	.05 U	.005 U	7
09/10/05	1500	14.0	1120	1141	7.5	7.2	169	106	.05 U		8
04/22/06	0930	10.5	1040	1148	7.6	7.2	192	104	.05 U	.005 U	7
10/09/06	1015	9.0	1170	1152	7.2	7.0	172	117	.05 U		5
04/21/07	1703	10.0	1180	1146	7.2	7.2	174	113	.05 U	.005 U	8
10/13/07	1005	9.5	1170	1135	7.0	7.2	178	101	.05 U		7

PHYSICALL PARAMETERS, IONS, & NUTRIENTS

sample date	sample time	water temp ©	specific conductivity umhos/cm		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
			lab	field	lab	field					
04/13/08	1230	10.5	1110	1114	7.3	7.4	179	93	.05 U	.005 U	10
4/13/DUP			1120		7.2		179	93	.05 U	.005 U	12

S-3 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
06/23/93	.01 U	.005 U	.20	.002 U	.0005 U	.002 U	.005 U	.001 U	.17	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
12/20/95	.002 U		.14	.002 U				.001 U	.26	.002 U		.02 J				.05 U	.02 U
07/14/96	.004 U	.005 U	.15	.002 U	.002 F	.002 U	.005 U	.001 U	.17	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/24/96	.004 U	.005 U	.14	.001 U	.0005 U	.002 U	.005 U	.001 U	.11	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.15	.001 U	.0005 U	.002 U	.005 U	.001 U	.08	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.06
09/13/97	.003 U		.16	.001 U				.001 U	.10	.003 U		.02 J				.05 U	.04
05/29/98	.003 U	.005 U	.14	.001 U	.0001 U	.001 U	.001 U	.001 U	.11	.003 U	.0002 U	.04	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		.14	.001 U				.001 U	.11	.003 U		.02 U				.05 U	.02 J
12/13/98	.003 U		.15	.001 U				.001 U	.12	.003 U		.02 U				.05 U	.03
05/22/99	.003 U	.005 J	.14	.001 U	.0001 U	.001 U	.002 U	.002	.11	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/25/99	.003 U		.12	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/27/00	.003 J	.005 J	.13	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 J	.003 U	.0002 M	.02 J	.005 U	.0002 M	.002 U	.05 U	.02 U
11/16/00	.05 U		.10	.001 U				.01 U	.12	.01 U		.01 U				.1 U	.01 J
04/28/01	.05 U	.005 U	.1	.001 U	.001 U	.01 J	.01 U	.01 U	.08 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01
10/26/01	.05 U		.2	.001 U				.01 J	.16	.01 U		.01 J				.1 U	.01 U
04/27/02	.05 U	.005 U	.1 U	.001 U	.001 U	.01 U	.01 U	.01 U	.09	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.1	.001 U				.01 U	.15	.01 U		.01				.1 U	.01 U
05/31/03	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.12	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/04/03	.05 U		.1	.001 U				.01 U	.23	.01 U		.01 U				.1 U	.01 U
06/06/04	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.12	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.1	.001 U				.01 U	.15	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.14	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.1	.001 U				.01 U	.16	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.20	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.2	.001 U				.01 U	.47	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.17	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/13/07	.05 U		.1	.001 U				.01 U	.24	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.20	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U
4/13/DUP	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.25	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

S-3 TRACE METEALS

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/24/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/29/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
12/13/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4/13/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-3 **ORGANICS - TABLE ONE LIST**

S-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane	MEK
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U	50 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U	20 U
07/14/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
11/24/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 J
05/29/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
12/13/98 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U	20 U
11/16/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
06/06/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U
4/13/DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	20 U

S-3

ORGANICS TABLE ONE LIST

S-3 RICHLAND COUNTY LANDFILL # 102

Date	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
06/23/93	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/14/96	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/24/96	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/29/98	20 U	5 U	1 U	1 U	1 U	1 U	1 B	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98 D	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/06/04	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4/13/DUP	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-3 **ORGANICS - TABLE ONE LIST**

S-5

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	Cyanide	COD
02/10/93	0745	1.0	380	345	7.1	7.0	24	4	.73	.005 U	5 U
06/23/93	650	12.5	358	464	7.8	7.0	21	2	.20	.005 U	5 U
01/04/94	1635	3.0	398	275	7.4	7.0	19	3	1.47	.005 U	5
05/11/94	1900		357 J		8.1		22	4	.82	.005 U	5 F
10/18/94	1615	10.0		301	7.7	8.0	21	4	.47	.005 U	7
06/21/95	1530	17.0	349	360	8.0 H	7.5	21	4	.68 F	.005 U	5 F
08/01/95	1625	16.0		390		7.6					
12/20/95	1500	5.0	371	390	7.8	7.5	19	4	.72		5 F
07/14/96	1650	14.0	383	400	7.7	7.6	21	18 F	.33	.005 U	5 U
11/24/96	1530		362	420	7.8	8.0	23	3	.17	.005 U	5 U
05/17/97	1715	10.0	361	400	7.8	7.8	20	2	.34	.005 U	5 U
09/13/97	1520	14.0	362	410	7.6	7.7	25	4	.24		20
05/29/98	1645	10.5	367	380	7.7	8.0	16	17	.18		5 U
12/13/98	1100	7.5	333	390	7.7	6.8	22	6	.62	.005 M	5 U
05/22/99	1130	12.0	326	360	7.7	6.9	17	4	.19	.005 M	5 U
09/25/99	1045	11.0	372	420	7.7	6.7	23	4	.16		7
05/27/00	1315	13.0	359	400	7.5	7.6	26	5	.24	.005 M	13 F
11/16/00	1415	6.0	369	430	7.9	7.4	21	5	.42		
04/28/01	1300	9.0	441	420	7.3	7.6	21	5	.52	.005 U	10
10/26/01	1730	9.0	338	370	7.5		17	5	.51		
04/27/02	1250	7.0	355	380	7.7	6.6	17	5	.75	.005 U	5
DUP			353		7.7		17	5	.74	.005 U	4
10/26/02	1055	9.0	393	420	7.6	7.3	15	5	.59		1 U
05/31/03	0945	10.5	401	420	7.4	7.5	18	5	.23	.005 U	1 U
10/04/03	0930	10.5	375	400	7.2	7.3	16	5	.29		1 U
06/05/04	1800	13.0	381	430	7.6	7.8	20	5	.16	.005 U	3
12/02/04	1545	7.0	359	405	7.2	7.5	17	6	.59		3
05/14/05	0840	8.0	363	400	7.8	6.8	18	6	.51	.005 U	1
09/10/05	1110	12.5	373	365	7.7	7.0	19	7	.18		2

S-5 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

sample date	sample time	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	Cyanide	COD
10/09/06	0935	9.0	394	388	7.5	6.9	20	6	.36		1 U
10/09DUP			398		7.5		20	6	.36		2
04/21/07	0815	7.5	400	387	7.6		20	7	.76	.005 U	2
04/21/DUP			399		7.5		19	7	.75	.005 U	2
10/13/07	0920	9.0	407	393	7.3	7.5	19	7	.38		2

S-5

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/10/93	.05 U	.002 U	.30	.005 U	.005 U	.02 U	.050 U	.020 U	.05 U	.004 U	.0002 U	.02 U	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	.35	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.003	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.05 F
01/04/94	.01 J	.005 U	.30	.002 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.01	.005 U	.30	.002 J	.0005 U	.002 J	.005 U	.002 F	.05 J	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 U
10/18/94	.005 F	.005 U	.29	.002 U	.0005 U	.002 U	.005 U	.007 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 U
06/21/95	.002 U	.005 U	.34	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 J
12/20/95	.002 U		.30	.002 U				.001 U	.05 U	.002 U		.02 U				.05 U	.02 U
07/14/96	.004 U	.005 U	.31	.002 U	.011 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/24/96	.002 U	.005 U	.28	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.32	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02 U
09/13/97	.003 U		.33	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02
05/29/98	.003 U	.005 J	.30	.001 U	.0002	.001 U	.001 U	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		.31	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 U
05/22/99	.003 U	.005 U	.30	.001 U	.0001 U	.001 U	.002 U	.001 J	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/25/99	.003 U		.32	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.30	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 B	.005 J	.0005 M	.002 U	.05 U	.02 U
11/16/00	.05 U		.30	.001 U				.01 U	.03 U	.01 U		.01				.1	.01
04/28/01	.05 U	.005 U	1.1	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/01	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
DUP	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/31/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/04/03	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/09/06	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/9DUP	.05 U		.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
4/21/DUP	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/13/07	.05 U		.3	.001 U				.01 U	R	.01 U		.01 U				.1 U	.01 U

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/10/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/18/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 J	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/24/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/29/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/25/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 **ORGANICS - TABLE ONE LIST**

S-5

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethane	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/10/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/04/94	2 U	1 U	1 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/18/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/24/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/29/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/25/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/04/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/06DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/DUP	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

S-5 **ORGANICS - TABLE ONE LIST**

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/10/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
01/04/94	50 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/18/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/24/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/29/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/25/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/04/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/06DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

S-5 ORGANICS - TABLE ONE LIST

SL-1

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm) lab	specific conductivity (umhos/cm) field	pH lab	pH field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
02/09/93	1050	24.92	11.5	1170	1202	6.5	6.6	27	25	1.24	.005 U	27
06/23/93	1200	23.55	11.5	1780	1650	6.8	6.6	19	153	.60	.005 U	105
01/04/94	1515	23.42	10.0	538	498	6.7	7.0	27	16	10.6	.005 U	19
05/11/94	1445	23.31		605 F		6.8		56	15	4.7	.005 U	70 F
05/11/94 D				398 F		6.8		49	17	4.6	.005 U	141 F
10/19/94	1500	23.33	11.0	821	717	7.4	6.6	27	14	47	.005 U	88
06/21/95	1405	28.01	11.0	936	793	6.7	6.6	28	11	14.6 F	.005 U	66 F
08/01/95	1815	27.71	11.5		940		6.5					
12/20/95	1545	28.15	11.0	1050	1050	6.7	6.6	21	12	35		171 F
07/13/96	1150	28.43	11.0	1210	1350	6.6	6.6	25	38 F	22	.005 U	89
11/23/96	1050	28.62	7.0	1340	1450	6.8	6.7	25	15	42	.005 U	126
05/17/97	1015	27.74	11.0	1270	1290	6.6	6.4	23	15	26	.005 U	50
09/12/97	1820	27.95	12.0	1170	1220	6.7	6.5	41	9	25		36 F
05/30/98	1430	27.88	11.0	1250	1300	6.7	6.6	28	17	17.6		20
12/13/98	1155	28.39	11.0	960	1030	6.6	6.2	21	6	12	.005 M	14
05/21/99	1655	27.96	11.5	1060	1130	6.7	7.0	27	9	12	.005 M	22
05/21/99 D				1070		6.7		28	9	13	.005 M	27
09/23/99	1350	28.30	12.0	1220	1240	6.6	6.6	27	12	21.5		20
05/27/00	1240	28.77	11.0	1110	1220	6.8	7.0	28	12	27.5	.005 M	35 F
11/16/00	1245	28.95	9.0	R	1150	6.9	6.4	22	10	39.9		
04/28/01	1220	27.01	13.0	1220	1330	6.5	6.9	35	8	2.82	.005 U	21
10/26/01	1700	27.99	9.5	874	1010	6.7		22	7	7.00		
04/26/02	1830	28.45	10.5	1220	1330	6.8	6.5	23	10	9.97	.005 U	12
10/26/02	0815	28.67	9.5	1140	1170	6.8	6.9	18	7	29.8		1 U
05/31/03	0630	28.93	10.5	949	980	6.6	6.7	15	6	16.2	.005 U	2
10/03/03	1800	29.06	12.0	824	920	6.5	6.5	15	6	20.2		4
06/05/04	1720	28.33	11.0	1290	1420	6.8	6.7	45	14	12.8	.005 U	19
12/02/04	1520	28.91	9.5	1050	1180	6.5	6.9	24	8	11.8		16
05/13/05	1415	29.15	11.0	848	880	6.8	7.0	16	4	19.9	.005 U	13
09/09/05	1815	29.23	11.5	845	849	6.9	7.4	20	5	22.3		22

SL-1 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

SL-1 RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/22/06	0930	29.35	12.0	721	804	6.9	7.2	16	4	13.1	.005 U	8
10/07/06	1205	29.25	11.5	891	857	6.7	7.2	21	5	16.8		20
04/21/07	0910	29.49	10.0	1010	984	6.7	6.8	22	6	31.4	.005 U	13
10/13/07	1058	29.50	10.0	921	898	6.5	7.0	19	5	30.7		9
04/12/08	1550	29.67	11.0	918	916	6.6	7.0	23	5	25.5	.005 U	27

SL-1 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-1

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.003	3.30	.005 U	.0005 U	.02 U	.05 U	.02 U	.56	.004 U	.0002 U	.02	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	5.90	.002 U	.0005 U	.002 U	.008	.003	.05 U	.002 U	.0005 U	.05	.005 U	.0002 U	.01 U	.05 U	.05 F
01/04/94	.01 J	.005 U	1.60	.004 M	.0005 U	.002 U	.005 U	.001	.05 J	.002 U	.0002 U	.02	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.003	.005 J	0.30	.002 J	.0012	.002 U	.005 J	.005 F	.11	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 J
05/11/94 D	.002 U	.005 J	0.30	.002 J	.0011	.002 U	.005 J	.002 F	.14	.002 U	.0002 U	.05 J	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.008 F	.005 U	0.76	.002 U	.0005 U	.002 U	.005 J	.011 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02
06/21/95	.002 U	.005 U	1.05	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02	.005 U	.0002 U	.002 U	.05 J	.05
12/20/95	.002 U		1.23	.002 U				.002	.05 J	.005 U		.02				.05 U	.02 U
07/13/96	.004 U	.005 U	1.72	.002 U	.003 F	.002 U	.005 J	.002	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/23/96	.002 U	.005 U	1.65	.001 U	.0005 U	.002 U	.005 J	.001 U	.05 J	.001 U	.0002 U	.03	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	2.04	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 J	.005 U	.0005 U	.002 U	.05 U	.02 J
09/12/97	.003 U		1.76	.001 U				.001	.05 U	.003 U		.02 U				.05 U	.04
05/30/98	.003 U	.005 U	1.92	.001 U	.0002	.001 U	.001	.001	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
12/13/98	.003 U		1.53	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02
05/21/99	.003 U	.005 U	1.70	.001 U	.0001 U	.001 U	.002 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
05/21/99 D	.003 U	.005 U	1.65	.001 U	.0001 U	.001 U	.002 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/23/99	.003 J		1.79	.001 U				.001	.05 U	.003 U		.02 J				.05 J	.02 U
05/27/00	.003 U	.005 J	1.66	.001 U	.0001	.005 J	.002 J	.005 J	.05 U	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 U	.02 U
11/16/00	.05 U		1.50	.001 U				.01 U	.03 U	.01 U		.03				.1 J	.02
04/28/01	.05 U	.005 U	2.0	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01	.005 U	.005 U	.1 U	.1 U	.01
10/26/01	.05 U		1.5	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01 U
04/26/02	.05 U	.005 U	1.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		1.5	.001 U				.01 U	.03 U	.01 U		.01				.1 U	.01 U
05/31/03	.05 U	.005 U	1.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		1.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	1.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		1.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	1.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		1.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	1.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/07/06	.05 U		1.2	.001 U				.01 U	.04	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	1.3	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.02
10/13/07	.05 U		1.3	.001 U				.01 U	.18	.01 U		.01 U				.1 U	.02
04/12/08	.005 U	.005 U	1.0	.001 U	.001 U	.01 U	.01 U	.01 U	.09	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	0.01 U

SL-1 TRACE METALS

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	1 U	2 U	13 U	1 U
06/23/93	40 U	20 U	11	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
01/04/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1 U	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	1 U	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 U	5 U	1 U
11/23/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	1 U	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
05/30/98	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1	1 U	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	2	1 U	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/21/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 J	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1 **ORGANICS - TABLE ONE LIST**

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	9	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	8	5 U	1 U	1 U	2 U	1 U	31	1 U	1 U	1 U	1 U	5	25 U	10 U
01/04/94	2 U	1 U	2	5 U	1	1 U	2 U	1 U	2	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 J	5 U	1 J	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 J	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 J	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 M	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 J	2 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/01	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	3.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	2.0	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-1 **ORGANICS - TABLE ONE LIST**

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethane	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/12/08	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

SL-1

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	5 U	1 U	1 U	2 U	1 U	1 U	1 U	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1
01/04/94	50 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 J
05/30/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/21/99 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1 **ORGANICS - TABLE ONE LIST**

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethane	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethane	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-1

ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1715	49.80	11.5	1410		6.6	6.7	50	22	9	.005 U	16
06/23/93	1700	49.35	12.5	1460	1360	7.0	6.8	45	18	6.6	.005 U	8
01/05/94	1230	48.43	9.5	1420	1035	7.3	7.2	26	40	7.7	.005 U	31
05/11/94	1650	48.25	14.0	1350 F	1333	7.3	6.8	36	19	5.8	.005 U	14 F
10/19/94	1310	47.95	11.5	1110	944	7.6	7.0	29	23	4.6	.005 U	17
06/21/95	1305	49.40	12.0	1390	1169	7.0	6.8	56	13	6.66 F	.005 U	18 F
08/01/95	1730	49.30	13.0		1280		6.8					
12/20/95	1630	49.47	11.0	1270	1200	7.0	6.4		10	3.02		71 F
07/13/96	1340	51.47	13.0	1300	1360	6.9	6.8	67	14 F	4.7	.005 U	41
07/13/96 D			13.0	1310	1350	6.9	6.8	67	60 F	4.5	.005 U	35
11/23/96	1215	51.64	9.0	1240	1400	6.8	6.9	74	19	3.8	.005 U	41
05/17/97	1200	51.21	13.0	1280	1340	6.9	6.8	39	36	6.2	.005 U	50
09/13/97	1305	51.16	13.5	1420	1470	6.9	7.0	42	74	6.8		34 F
05/31/98	1320	51.19	13.5	2470	2600	6.9	7.1	37	230	17.8		32
12/13/98	1015	51.44	10.5	1600	1670	6.8	6.4	46	119	8.49	.005 U	17
05/21/99	1400	51.25	12.5	1980	2300	6.8	7.1	44	166	25	.005 U	45
09/24/99	1015	51.50	12.0	2260	2350	6.8	6.6	29	290	13.4		19
09/24/99 D				2130		6.8		31	282	10.7		25
05/27/00	1045	51.73	12.5	1480	1630	6.9	6.9	57	112	7.38	.005 M	19 F
05/27/00 D				1540		6.9		59	112	7.51	.005 M	12 F
11/16/00	1410	51.92	8.5	1330	1500	7.2	6.7	57	70	5.94		
11/16/00 D				1320		7.1		54	72	5.53		
04/27/01	1700	51.24	13.0	1330	1400	6.9	6.6	49	79	9.11	.005 U	17
10/27/01	1430	51.20	10.5	1690	1980	6.9		54	166	18.4		
10/27/01 D				1680		6.9		54	170	18.6		
04/26/02	1925	51.45	11.0	1330	1450	7.0	6.5	45	61	7.37	.005 U	1 U
10/25/02	1500	51.64	10.0	1340	1340	7.3	7.4	54	40	5.16		1 U
05/31/03	0725	51.82	10.5	1340	1350	6.8	6.8	60	48	5.61	.005 U	1 U
10/03/03	1725	51.97	13.5	1220	1320	6.8	6.6	66	40	5.29		1 U

SL-2 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH						
				lab	field	lab	field	sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
06/05/04	1600	51.57	13.0	1140	1250	6.9	7.2	48	57	6.96	.005 U	6
12/03/04	1350	51.92	11.0	1060	1155	6.7	6.8	44	34	3.58		5
12/03/04DUP				1060		6.8		44	34	3.48		4
05/13/05	1530	52.08	12.0	1110	1160	7.0	7.0	53	31	4.23	.005 U	5
09/10/05	1010	52.11	12.5	1130	1092	7.2	7.2	50	25	4.41		5
04/22/06	0800	52.30	11.0	1040	1156	7.1	7.2	64	28	5.12	.005 U	3
10/07/08	1308	52.31	11.5	1130	1090	6.9	7.2	59	30	4.16		5
04/21/07	1130	52.44	10.5	1210	1170	6.8	6.8	70	34	4.79	.005 U	6
10/12/07	1700	52.53	9.5	1220	1173	7.0	7.1	77	38	4.35		4
04/13/08	1455	52.63	10.0	1230	1246	6.8	6.8	88	46	4.72	.005 U	11

SL-2 PHYSICAL PARAMETERS, IONS, & NUTRIENTS

SL-2

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.002 U	.90	.005 U	.005 U	.02 U	.05 U	.02 U	.05 U	.004 U	.0002 U	.02 U	.002 U	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	.92	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
01/05/94	.01 J	.005 U	.80	.007 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.04 U	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.008	.005 U	.80	.012	.0005 U	.002 J	.005 J	.003 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.003 F	.005 U	.74	.002 U	.0005 U	.002 U	.005 U	.001 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/21/95	.002 U	.005 U	.90	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.04
12/20/95	.002 U		.70	.002 U				.001 U	.05 J	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 U	.67	.002 U	.002 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
07/13/96 D	.004 U	.005 U	.68	.002 U	.0005 F	.002 U	.005 U	.001	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 M	.02 U
11/23/96	.002 U	.005 U	.52	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	.62	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02 J
09/13/97	.003 U		.71	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/31/98	.003 U	.005 U	1.22	.001 U	.0001	.001 U	.001 U	.001	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 J
12/13/98	.003 U		.82	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.02 J
05/21/99	.003 U	.005 U	.99	.001 U	.0001 U	.001 U	.003 J	.001 J	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/24/99	.003 U		1.02	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
09/24/99 D	.003 J		1.02	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.75	.001 U	.0001 J	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 U	.0005 M	.002 U	.05 J	.02 U
05/27/00 D	.003 J	.005 J	.75	.001 U	.0001 U	.005 J	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 J	.02 U
11/16/00	.05 U		.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 J
11/16/00 D	.05 U		.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.02
04/27/01	.05 U	.005 U	.7	.001 U	.001 J	.01 U	.01 U	.01 U	.03 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
10/27/01 D	.05 U		.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/26/02	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		.6	.001 U				.01 U	.03 U	.01 U		.01				.1 U	.01
05/31/03	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.5	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
12/03/04DUI	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	.5	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/07/06	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-2 RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	ChlorO dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	1 U	14 U	2 U	1 U	1 U	1 U	1	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	2	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	1	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
12/13/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/24/99 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
05/27/00 D	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	5 U	1 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U

SL-2 ORGANICS - TABLE ONE LIST

SL-2 **RICHLAND COUNTY LANDFILL # 102**

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	ChlorO dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U

SL-2 **ORGANICS - TABLE ONE LIST**

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	3	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	1	1 U	2 U	1 U	1 U	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
07/13/96 D	1 U	1 U	1 U	5 U	1 J	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/13/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
05/27/00 D	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/16/00	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
11/16/00 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01 D	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/31/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04DUP	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/07/06	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/13/08	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-2

ORGANICS - TABLE ONE LIST

SL-2

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	32 U	5 U	1 U	1 U	2 U	19	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	5 U	1 U	1 U	1 U	10	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	5 U	1 U	1 U	1 U	11	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	7	1 U	1	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
07/13/96 D	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	9	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/13/97	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1 J	1 U	10 U	1 U	1 U
12/13/98	20 U	20 U	5 X	1 U	1 U	1 U	8	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 U	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 X	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 J	1 U	10 U	1 U	1 U
09/24/99 D	20 U	20 U	5 U	1 U	1 U	1 U	6	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
05/27/00 D	20 U	20 U	5 B	1 U	1 U	1 U	7	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/16/00	20 U	20 U	1 U	1 U	1 U	1 U	8.9	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
11/16/00 D	20 U	20 U	1 U	1 U	1 U	1 U	9.1	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1 U	1 U	1 U	1 U	7.4	1 U	1.1	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	4.7	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/27/01 D	20 U	20 U	1 U	1 U	1 U	1 U	4.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/31/03	20 U	20 U	1 U	1 U	1 U	1 U	5.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	5.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	4.4	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	5.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
12/03/04DUP	20 U	20 U	1 U	1 U	1 U	1 U	5.2	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	6.0	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
10/07/06	20 U	20 U	1 U	1 U	1 U	1 U	4.8	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	5.1	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	5.9	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U

SL-2 ORGANICS - TABLE ONE LIST

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	4.6	1 U	1 J	1 U	1 U	1 J	1 U	1 U	1 U	1 U

SL-2 **ORGANICS - TABLE ONE LIST**

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
02/09/93	1530	73.46	10.0	2063	2070	6.7	6.9	24	108	9.2	.005 U	15
06/23/93	1530	73.41	11.0	2070	1620	6.9	6.8	21	116	8.4	.005 U	10
01/05/94	0945	73.11	8.5	1800	1560	6.9	7.1	17	127	8.0	.005 U	16
05/11/94	1210	72.92	11.5		1944	7.1	7.0	24	136	6.8	.005 U	21 F
10/19/94	1115	72.57	10.0	1810	1417	7.1	7.1	16	134	6.4	.005 U	24
06/21/95	1125	75.66	10.5	2070	1980	7.0	6.8	18	116	5.27 F	.005 U	18 F
08/01/95	1600	75.60	12.5		2300		6.8					
12/20/95	0830	75.52	10.0	2170	1910	7.1	6.7	16	142	5.3		44 F
07/13/96	1725	75.54	13.0	2130	2450	7.2	6.8	25	259 F	6.5	.005 U	57
11/25/96	0915	75.57	4.0	2200	2600	7.1	7.1	24	162	4.6	.005 U	14
05/17/97	1430	75.42	12.0	2040	2400	7.0	6.9	20	162	5.7	.005 U	42
09/13/97	1100	75.18	12.0	2090	2400	7.0	7.4	24	166	4.2		21 F
05/30/98	1040	75.18	12.0	2360	2500	7.0	6.7	16	174	5.16		22
12/12/98	1125	75.33	11.0	2300	2200	6.9	6.6	30	159	4.81	.005 M	30
05/21/99	0955	75.27	10.5	2390	2800	7.0	6.6	18	176	2.37	.005 M	70
09/23/99	1030	75.25	12.0	2580	2800	6.9	6.7	5 U	182	1.89		48
05/26/00	1645	75.38	12.0	2560	3000	6.8	6.8	26	238	3.00	.005 M	33 F
11/17/00	1030		10.0	2580	3000	6.9		24	309	2.95		
04/27/01	1840	75.57	13.0	2700	3000	6.7	6.5	21	359	2.11	.005 U	29
10/27/01	1045	75.18	9.5	2930	3300	6.8		26	399	1.93		
04/26/02	1740	75.14	10.5	2920	3300	6.8	6.9	14	418	.59	.005 U	21
10/25/02	1645	75.35	10.0	3370	3700	7.0	6.2	12	497	.67		41
05/30/03	1620	75.53	13.0	3670	3950	6.6	6.9	17	582	1.56	.005 U	16
10/03/03	1045	75.63	12.0	3340	3650	6.6	6.4	16	640	1.43		12
06/05/04	1115	75.49	12.0	3370	4000	6.8	6.4	19	645	1.98	.005 U	48
12/02/04	1250	75.67	10.0	3410	3990	6.6	6.7	19	617	1.19		25
05/13/05	1320	75.71	11.0	3460	3850	6.9	6.8	21	602	0.96	.005 U	12
09/09/05	1520	75.78	11.5	3330	3440	7.3	7.4	20	578	0.89		15

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/22/06	1200	75.91	13.0	2830	3320	6.9	7.2	19	547	.82	.005 U	8
10/09/06	1210	75.95	11.0	3260	3130	6.8	7.6	20	516	.80		27
04/21/07	1030	76.02	10.5	3330	3170	6.8	6.5	22	529	.65	.005 U	15
10/12/07	1620	76.09	10.0	3230	3220	6.7	6.9	18	468	.35		10
04/12/08	1703	76.18	10.5	2990	3000	6.7	6.6	17	447	.79	.005 U	18

SL-3 **PHYSICAL PARAMETERS, IONS, & NUTRIENTS**

SL-3 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
02/09/93	.05 U	.002	2.4	.005 U	.005 U	.02 U	.05 U	.02 U	.05 U	.004 U	.0002 U	.02 U	.005	.0006 U	.005 U	.2 U	.02 U
06/23/93	.01 U	.005 U	2.45	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0005 U	.02 U	.005 U	.0002 U	.01 U	.05 U	.02 F
01/05/94	.01 J	.005 J	2.3	.011 M	.0005 U	.002 U	.005 U	.001 J	.05 U	.002 U	.0002 U	.04 J	.005 U	.0002 U	.01 U	.05 U	.02 M
05/11/94	.008	.005 U	2.2	.015	.0005 U	.002 U	.005 J	.002 F	.05 U	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
10/19/94	.005 F	.005 U	1.94	.002 U	.0005 U	.002 U	.005 J	.009 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 U
06/21/95	.004 J	.005 U	2.32	.002 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.04
12/20/95	.002 U		1.89	.002 U				.001 U	.05 U	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 J	2.4	.002 U	.005 F	.002 U	.005 U	.001 U	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/25/96	.004 U	.005	1.79	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/17/97	.002 U	.005 U	2.49	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.04
09/13/97	.003 U		2.41	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.03
05/30/98	.003 U	.005 J	2.63	.001 U	.0001 U	.001 U	.001	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
12/12/98	.003 U		2.6	.001 U				.001	.05 U	.003 U		.02 J				.05 U	.02 J
05/21/99	.003 U	.005 J	2.87	.001 U	.0001 U	.001 U	.002 U	.001 J	.06	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
09/23/99	.003 J		3.11	.001 U				.001 J	.05 U	.003 U		.02 U				.05 J	.02 U
05/26/00	.003 J	.005 J	3.28	.001 U	.0001 J	.009	.002	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 J	.02
11/17/00	.05 U		3.4	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 J
04/27/01	.05 U	.005 J	3.9	.001 U	.001 U	.01 U	.01 U	.01	.03 F	.01 U	.001 U	.02	.005 J	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		4.0	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01 U
04/26/02	.05 U	.005 J	3.3	.001 U	.001 U	.01 U	.01 U	.01 U	.04	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		4.0	.001 U				.01 U	.03 U	.01 U		.04				.1 U	.01
05/30/03	.05 U	.005 U	4.1	.001 U	.001 U	.01 U	.01 U	.02	.03 U	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		3.8	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01
06/05/04	.05 U	.005 U	3.7	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		3.9	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	4.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.005 U	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		4.0	.001 U				.01 U	.04	.01 U		.01				.1 U	.01 U
04/22/06	.05 U	.005 U	3.6	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		3.7	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	3.4	.001 U	.001 U	.01	.01 U	.01 U	.03 U	.01 U	.001 U	.03	.006	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		3.3	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/12/08	.005 U	.005 U	3.2	.001 U	.001 U	.01	.01 U	.01 U	.04	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-3 **TRACE METALS**

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
02/09/93	32 U	36 U	2 U	1 U	1 U	2 U	2 U	14 U	2 U	1 U	1 U	1 U	3	2 U	13 U	1 U
06/23/93	40 U	20 U	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	5 U	1 U
01/05/94	40 U	20 C	2 U	1 U	1 U	1 U	2 U	100 U	2 U	1 U	1 U	1 U	5	1 U	15 U	1 U
05/11/94	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	2 U	1 U	1 U	1 U	3	1 U	5 U	1 U
10/19/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 J	2	1 J	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 B	1 U	5 U	1 U
05/17/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
09/13/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 X	5 U	1 U
05/30/98	20 B	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/23/99	20 U	20 U	1 J	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/17/00	20 U	20 U	1.0	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	3.5	1 U	1 U	1 U
04/27/01	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
10/27/01	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	3.8	1 U	1 U	1 U
04/26/02	20 U	20 U	1.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.8	1 U	1 U	1 U
10/25/02	20 U	20 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	2.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.9	2.2	1 U	1 U	1 U
10/03/03	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1.9	1 U	1 U	1 U
06/0504	20 U	20 U	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.2	1 U	1 U	1 U
09/09/05	20 U	20 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/22/06	20 U	20 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
10/09/06	20 U	20 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U
10/12/07	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.0	1 U	1 U	1 U

SL-3 **ORGANICS - TABLE ONE LIST**

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromoform	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U

SL-3 **ORGANICS - TABLE ONE LIST**

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
02/09/93	2 U	1 U	1 U	3 U	8	1	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	26 U	9 U
06/23/93	2 U	1 U	1 U	5 U	13	1 U	2 U	1 U	1	1 U	1 U	1 U	1 U	1 U	25 U	10 U
01/05/94	2 U	1 U	1 U	5 U	4	4	2 U	1 U	1 J	1 U	1 U	1 C	1 U	1 U	10 U	10 U
05/11/94	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
10/19/94	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	2	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/17/97	1 U	1 U	1 U	5 U	4	3	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/13/97	1 U	1 U	1 U	5 U	10	4	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 U	3	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	2	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	3	2	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	3	5	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	3.4	**9.4**	1 U	1 J	**5.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/27/01	1 U	1 U	1 U	2 U	3.6	**9.7**	1 U	1 U	**7.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	3.3	**8.0**	1 U	1 J	**6.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/26/02	1 U	1 U	1 U	1 U	2.5	**6.2**	1 U	1 U	**5.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	3.2	**5.0**	1 U	1 U	**5.5**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	2.9	**6.4**	1 U	1 U	**7.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	3.9	**5.7**	1 U	1 U	**7.6**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
06/0504	1 U	1 U	1 U	1 U	3.3	**4.8**	1 J	1 U	**7.0**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	4.6	**2.8**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	4.1	**4.4**	1 U	1 U	**5.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	4.1	**3.9**	1 U	1 U	**4.8**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	3.4	**3.4**	1 U	1 U	**3.9**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	3.8	**3.7**	1 U	1 U	**4.2**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	2.6	**3.7**	1 U	1 U	**3.3**	1 U	1 J	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	4.5	**3.2**	1 U	1 U	**3.1**	1 U	1 J	1 U	1 U	1 U	20 U	1 U

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
04/12/08	1 U	1 U	1 U	1 U	4.1	3.9	1 U	1 U	3.7	1 U	1 J	1 U	1 U	1 U	20 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-3

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
02/09/93	32 U	22 U	**15**	1 U	1 U	2 U	3	1 U	2	3 U	1 U	1 U	1 U	12 U	1 U	1 U
06/23/93	50 U	10 U	**32**	1 U	1 U	1 U	3	1 U	1 U	1 U	1	3	1 U	10 U	1 U	1 U
01/05/94	50 U	10 U	**31**	1 U	1 U	1 U	3	1 U	3	1 U	1 U	3	1 U	10 U	1 U	1 U
05/11/94	20 U	10 U	**15**	1 U	1 U	1 U	3	1 U	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
10/19/94	20 U	10 U	**8**	1 U	1 U	1 U	2	1 U	2	1 U	1 U	2	1 U	10 U	1 U	1 U
08/01/95	20 U	10 U	**14**	1 U	1 U	1 U	2	1 J	2	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	**13**	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	**25 X**	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	**26**	1 U	1 U	1 U	3	1 U	1 J	1 U	1 U	1 J	1 U	10 U	1 U	1 U
05/17/97	20 U	20 U	**48 X**	1 U	1 U	1 U	3	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
09/13/97	20 J	20 U	**32 B**	1 U	1 U	1 U	2	1 U	1	1 U	1 U	1	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	**28 B**	1 U	1 U	1 U	4	1 U	1	1 U	1 J	1	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	**23 B**	1 U	1 U	1 U	3	1 U	1	1 U	1 J	1 J	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	**9 B**	1 U	1 U	1 U	4	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	**40 B**	1 U	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	**59 B**	1 U	1 U	1 U	4	1 U	1	1 U	1 U	1	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	2.4	1 U	1 U	1 U	4.6	1 U	2.1	1 U	1 J	1.7	1 U	1 U	1 U	1 U
04/27/01	20 U	20 U	1.1	1 U	1 U	1 U	**7.4**	1 U	2.8	1 U	1.2	2.1	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1.1	1 U	1 U	1 U	**7.0**	1 U	2.6	1 U	1.1	2.2	1 U	1 U	1 U	1 U
04/26/02	20 U	20 U	1 J	1 U	1 U	1 U	**6.6**	1 U	2.0	1 U	1 J	1.4	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.2	1 U	1 U	1 U	**5.8**	1 U	2.1	1 U	1 J	1.5	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.6	1 U	1 U	1 U	**8.5**	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1.4	1 U	1 U	1 U	**8.5**	1 U	2.1	1 U	1.5	1.0	1 U	1 U	1 U	1 U
06/0504	20 U	20 U	1.2	1 U	1 U	1 U	**6.2**	1 U	1.9	1 U	1.2	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	**4.0**	1 U	1.2	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	**7.4**	1 U	1.7	1 U	1.4	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	**7.8**	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	**5.8**	1 U	1.5	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	**7.6**	1 U	1.6	1 U	1.3	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	**7.4**	1 U	1.4	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	**8.5**	1 U	1.5	1 U	1.2	1 J	1 U	1 U	1 U	1 U

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	8.4	1 U	1.7	1 U	1.4	1.0	1 U	1 U	1 U	1 U

SL-3

ORGANICS - TABLE ONE LIST

SL-4

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	no$_3$ + no$_2$ as N	cyanide	cod
				lab	field	lab	field					
10/21/94	1330	77.29	10.0	1850	1407	7.1	7.2	57	189	12	.005 U	45
06/20/95	1615	76.96	9.5	2380	2170	7.0	7.0	66	246	5.09 F	.005 U	20 F
08/01/95	1500	76.91	11.0		2400		6.9					
12/20/95	1030	77.06	9.5	2450	2300	7.1	7.0	62	278	12		72 F
07/14/96	1500	77.33	11.0	2530	2700	6.9	6.8	75	489 F	16	.005 U	18
11/25/96	1220	77.49	6.0	2490	2800	7.0	6.9	84	268	12.6	.005 U	20
05/18/97	1030	77.47	9.5	2390	2800	6.9	7.3	78	277	13	.005 U	39
05/18/97 D				2160		7.0		78	270	13	.005 U	48
09/12/97	1650	77.40	10.5	2470	2800	6.9	7.0	81	262	9.7		17 F
05/30/98	1250	77.39	11.0	2500	2700	6.9	6.8	132	197	13.6		11
05/30/98 D				2430		7.0		134	207	13.6		13
12/12/98	1315	77.48	10.0	2490	2700	6.8	6.8	146	167	13.9	.005 M	32
05/21/99	1205	77.50	10.0	2490	2800	6.9	7.1	162	167	14	.005 M	61
09/23/99	1210	77.52	10.0	2550	2700	6.8	6.8	160	168	12.5		50
05/26/00	1840	77.60	10.0	2390	2800	6.9	6.8	212	197	12.0	.005 M	56 F
11/17/00	1200	77.72	9.0	2340	2900	7.2		200	188	12.0		
04/28/01	0845	77.75	10.5	2430	2800	6.9	7.5	220	192	10.8	.005 U	21
10/27/01	1155	77.52	9.5	2480	2800	6.9		221	197	10.4		
04/27/02	0950	77.42	10.0	2500	2800	7.0	6.5	167	211	11.4	.005 U	11
10/25/02	1810	77.54	8.5	2670	3000	7.2	6.1	146	226	11.7		21
05/30/03	1345	77.74	11.5	2720	3000	6.8	7.1	149	208	12.2	.005 U	20
10/03/03	1205	77.83	11.0	2440	3000	6.9	6.7	133	200	12.1		13
06/05/04	1000	77.78	12.0	2470	2800	6.9	6.4	181	181	12.4	.005 U	46
12/02/04	1435	77.83	9.5	2450	2800	6.7	6.8	172	186	11.4		19
05/13/05	1140	77.94	10.5	2470	2900	7.3	7.2	169	184	11.6	.005 U	15
09/09/05	1700	78.00	11.0	2400	2430	7.3	7.3	169	178	13.9		17
04/22/06	1740	78.13	13.0	2130	2445	7.1	7.5	167	1 U	13.5	.005 U	16
10/09/06	1640	78.22	10.5	2480	2430	7.0	7.4	176	162	19.1		17
04/21/07	1620	78.32	10.0	2490	2425	7.0	6.7	176	144	17.9	.005 U	16
10/12/07	1505	78.41	7.0	2480	2390	6.9	7.0	182	125	16.6		21

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/12/08	1817	78.51	10.0	2370	2383	7.0	6.9	199	119	17.7	.005 U	23

SL-4 RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
10/21/94	.005 F	.005 U	.28	.002 U	.0005 U	.002 U	.005 J	.003 F	.05 J	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/20/95	.002 U	.005 U	.21	.002 U	.0005 U	.002 U	.005 U	.002	.05 U	.002 U	.0002 U	.02 U	.005 U	.0002 U	.002 U	.05 U	.05
12/20/95	.002 U		.12	.002 U				.001 U	.05 U	.002 U		.02 U				.05 U	.02 J
07/14/96	.004 U	.005 U	.22	.002 U	.003 F	.002 U	.005 U	.001	.02 U	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/25/96	.002 U	.005 U	.17	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/18/97	.002 U	.005 U	.24	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.03
05/18/97 D	.002 U	.005 U	.24	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 U	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.02
09/12/97	.003 U		.24	.001 U				.001 U	.05 U	.003 U		.02 U				.05 U	.04
05/30/98	.003 U	.005 U	.24	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 U	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 J
05/30/98 D	.003 U	.005 U	.24	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 J	.02 U
12/12/98	.003 U		.22	.001 U				.001 U	.05 U	.003 U		.02 J				.05 U	.02 J
05/21/99	.003 U	.005 U	.24	.001 U	.0001	.001 U	.002 J	.001	.55	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/23/99	.003 U		.18	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/26/00	.003 J	.005 J	.16	.001 U	.0001 J	.007	.002 J	.005 U	.05 U	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 U	.02 U
11/17/00	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 J				.1 U	.01
04/28/01	.05 U	.005 U	.2	.001 U	.001 J	.01 J	.01 U	.01	.03 F	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/27/02	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.1 U	.1 U	.01 U
10/25/02	.05 U		.2	.001 U				.01 U	.03	.01 U		.03				.1 U	.01
05/30/03	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.007	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01
06/05/04	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03	.01 U	.001 U	.01	.009	.005 U	.1 U	.1 U	.01 U
12/02/04	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
05/13/05	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.06	.01 U	.001 U	.01	.006	.005 U	.1 U	.1 U	.01 U
09/09/05	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.2	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.007	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.2	.001 U				.01 U	.03 U	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.02	.006	.005 U	.1 U	.1 U	.01 U
10/12/07	.05 U		.2	.001 U				.01 U	.03	.01 U		.01 U				.1 U	.01 U
04/12/08	.005 U	.005 U	.1	.001 U	.001 U	.01 U	.01 U	.01 U	.03 U	.01 U	.001 U	.01 U	.006	.005 U	.005 U	.1 U	.01 U

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
10/21/94	20 U	20 U	1 U	1 U	1 U	1 C	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	2	1 U	5 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
07/14/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
11/25/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
11/25/96 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2 B	1 U	5 U	1 U
05/18/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/18/97 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
05/30/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 U	5 U	1 U
05/30/98 D	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 J	2	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/21/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
09/23/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	2	1 U	5 U	1 U
05/26/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.6	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
10/25/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1.1	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.0	1 U	1 U	1 U
12/02/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
05/13/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
09/09/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
10/12/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U
04/12/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U

SL-4

ORGANICS - TABLE ONE LIST

SL-4

RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
10/21/94	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	2	2	1 U	1 U	5	1 U	4	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	10 U	10 U
07/14/96	1 U	1 U	1 U	5 U	2	2	1 X	1 U	4	1 U	4	1 U	1 U	1 U	20 U	20 U
11/25/96	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/25/96 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/18/97	1 U	1 U	1 U	5 U	1	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/18/97 D	1 U	1 U	1 U	5 U	2	1	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	4	2	1 U	1 U	3	1 U	3	1 U	1 U	1 U	20 U	20 U
05/30/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/30/98 D	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 J	1	1 U	1 U	2	1 U	3	1 U	1 U	1 U	20 U	20 U
05/21/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	3	1 U	1 U	1 U	20 U	20 U
09/23/99	1 U	1 U	1 U	5 U	1 U	1 M	1 U	1 U	2	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/26/00	1 U	1 U	1 U	5 U	1 U	1 J	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 J	1.1	1 U	1 U	1.7	1 U	2.1	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1.0	1 U	1 U	1.7	1 U	2.2	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 J	1 U	1 U	1.2	1 U	1.5	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.5	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/25/02	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.8	1 U	1.9	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.9	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.7	1 U	1.8	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.4	1 U	1.4	1 U	1 U	1 U	20 U	1 U
12/02/04	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.3	1 U	1.4	1 U	1 U	1 U	20 U	1 U
05/13/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.2	1 U	1.6	1 U	1 U	1 U	20 U	1 U
09/09/05	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.4	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.2	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1.1	1 U	1.1	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 J	1 U	1.1	1 U	1 U	1 U	20 U	1 U
10/12/07	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U
04/12/08	1 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	20 U	1 U

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
10/21/94	20 J	10 J	5 U	1 U	1 U	1 U	13	1 J	1	1 U	1 J	2	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 J	1 U	1 U	1 U	26	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 X	1 U	1 U	1 U	30	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
07/14/96	20 U	20 U	5 X	1 U	1 U	1 U	33	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
11/25/96	20 U	20 U	5 U	1 U	1 U	1 U	31	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
11/25/96 D	20 U	20 U	5 U	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/18/97	20 U	20 U	5 X	1 U	1 U	1 U	29	1 U	2	1 U	1	3	1 U	10 U	1 U	1 U
05/18/97 D	20 U	20 U	5 X	1 U	1 U	1 U	32	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 B	1 U	1 U	1 U	34	1 U	2	1 U	2	3	1 U	10 U	1 U	1 U
05/30/98	20 U	20 U	5 B	1 U	1 U	1 U	39	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
05/30/98 D	20 U	20 U	5 B	1 U	1 U	1 U	38	1 U	2	1 U	2	2	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	36	1 U	2	1 U	1	2	1 U	10 U	1 U	1 U
05/21/99	20 U	20 U	5 B	1 U	1 U	1 U	27	1 U	1 U	1 U	1	1 U	1 U	10 U	1 U	1 U
09/23/99	20 U	20 U	5 B	1 U	1 U	1 U	34	1 U	1 U	1 U	1	1	1 U	10 U	1 U	1 U
05/26/00	20 U	20 U	5 B	1 U	1 U	1 U	30	1 U	1	1 U	1 J	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1.1	1 U	1 U	1 U	32	1 U	1.2	1 U	1.1	1 J	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 J	1 U	1 U	1 U	34	1 U	1.3	1 U	1.2	1 J	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 J	1 U	1 U	1 U	28	1 U	1.1	1 U	1.0	1 J	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/25/02	20 U	20 U	1.1	1 U	1 U	1 U	31	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1.0	1 U	1 U	1 U	32	1 U	1 J	1 U	1.1	1 J	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1.0	1 J	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
12/02/04	20 U	20 U	1 J	1 U	1 U	1 U	27	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
05/13/05	20 U	20 U	1 J	1 U	1 U	1 U	29	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
09/09/05	20 U	20 U	1 J	1 U	1 U	1 U	23	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 J	1 U	1 U	1 U	33	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 J	1 U	1 U	1 U	25	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 J	1 U	1 U	1 U	20	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U
10/12/07	20 U	20 U	1 JT	1 U	1 U	1 U	28	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U
04/12/08	20 U	20 U	1 J	1 U	1 U	1 U	22	1 U	1 J	1 U	1 J	1 J	1 U	1 U	1 U	1 U

SL-4 **ORGANICS - TABLE ONE LIST**

SL-5

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
11/03/94	0900	83.03	5.0	957	734	7.5		73	20	.92	.005 U	30
06/20/95	1240	83.51	9.5	1020	803	7.4	7.1	29	15	.63 F	.005 U	57 F
08/01/95	1400	83.50	11.5		950		6.9					
12/20/95	1215	83.63	9.5	1130	950	7.5	7.2	44	20	1.19		34 F
07/13/96	1930	83.50	10.5	1050	1090	7.3	7.2	32	104 F	.95	.005 U	27
11/23/96	1445	84.11	7.0	989	1090	7.5	7.4	30	17	.60	.005 U	33
05/19/97	0950	84.02	10.0	996	1200	7.3	7.6	51	19	1.4	.005 U	57
09/12/97	1250	83.95	11.0	1150	1190	7.3	7.3	72	23	1.35		32 F
09/12/97 D				1140		7.3		63	23	1.17		63 F
05/31/98	1530	83.80	12.0	896	980	7.5	7.2	22	17	.47		25
12/12/98	1500	83.94	10.5	811	900	7.4	7.3	28	16	.88	.005 M	9
05/22/99	1050	84.95	10.0	901	1000	7.5	7.1	27	16	1.39	.005 M	44
09/24/99	1155	84.00	11.0	902	1100	7.3	7.3	21	286 R	1.01		33
05/27/00	0915	84.09	10.5	783	850	7.4	7.3	28	12	.54	.005 M	19 F
11/17/00	1345	84.22	9.0	726	830	7.7		23	11	.53		
04/28/01	1050	84.14	11.0	877	990	7.3	7.5	23	16	1.04	.005 U	21
10/27/01	1330	83.97	10.5	992	1010	7.3		34	18	1.11		
04/27/02	1135	83.78	10.0	826	890	7.4	7.4	28	12	.29	.005 U	12
10/26/02	0940	83.96	9.5	832	870	7.4	7.4	25	11	.59		13
05/30/03	1740	84.22	12.0	931	940	7.2	7.5	42	12	1.19	.005 U	5
10/03/03	1450	84.33	12.0	866	990	7.2	7.0	61	12	1.32		4
06/05/04	1500	84.16	13.0	882	970	7.4	7.3	47	13	1.05	.005 U	25
12/03/04	1245	84.33	9.5	786	800	7.1	7.2	31	11	.59		9
05/14/05	1045	84.47	10.5	795	850	7.5	7.4	3	1 U	.64	.005 U	8
09/10/05	0900	84.52	10.5	795	790	7.5	7.2	28	11	.68		11
04/22/06	1610	84.69	13.0	704	759	7.6	7.4	27	9	.61	.005 U	7
10/09/06	1515	84.74	10.5	791	761	7.4	7.0	26	10	.64		6
04/21/07	1505	84.86	10.0	763	732	7.4	7.2	22	9	.50	.005 U	9
10/13/07	1200	84.94	10.0	737	722	7.2	7.3	21	8	.43		6

SL-5

RICHLAND COUNTY LANDFILL # 102

sample date	sample time	water level (ft)	water temp ©	specific conductivity (umhos/cm)		pH		sulfate	chloride	$no_3 + no_2$ as N	cyanide	cod
				lab	field	lab	field					
04/13/08	1400	85.03	10.5	683	696	7.4	7.4	19	7	.40	.005 U	10

SL-5

RICHLAND COUNTY LANDFILL # 102

date	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Fe	Pb	Hg	Ni	Se	Ag	Tl	V	Zn
11/03/94	.002 F	.005 U	.20	.002 U	.0005 U	.002 U	.002 U	.009 F	.40	.002 U	.0002 U	.05 U	.005 U	.0002 U	.002 U	.05 U	.02 J
06/20/95	.002 U	.005 U	.37	.002 U	.0005 U	.002 U	.005 U	.002	.05 J	.002 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 J	.03
12/20/95	.002 U		.37	.002 U				.001 U	.05 J	.002 U		.02 J				.05 U	.02 U
07/13/96	.004 U	.005 U	.40	.002 U	.011 F	.002 U	.005 U	.001 U	.03	.002 U	.0002 U	.02 U	.005 J	.0002 U	.004 U	.05 U	.02 U
11/23/96	.002 U	.005 U	.32	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.001 U	.0002 U	.02 J	.005 U	.0002 U	.002 U	.05 U	.02 U
05/19/97	.002 U	.005 U	.45	.001 U	.0005 U	.002 U	.005 U	.001 U	.05 J	.002 U	.0002 U	.02 U	.005 U	.0005 U	.002 U	.05 U	.09
09/12/97	.003 U		.49	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.03
09/12/97 D	.003 U		.49	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.03
05/31/98	.003 U	.005 U	.37	.001 U	.0001 U	.001 U	.001 U	.001 U	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 J
12/12/98	.003 U		.34	.001 U				.001 U	.05 J	.003 U		.02 U				.05 U	.02 U
05/22/99	.003 U	.005 U	.38	.001 U	.0001 U	.001 U	.002 U	.001 J	.05 J	.003 U	.0002 U	.02 U	.005 U	.0002 U	.003 U	.05 U	.02 U
09/24/99	.003 U		.35	.001 U				.001 J	.05 U	.003 U		.02 U				.05 U	.02 U
05/27/00	.003 J	.005 J	.29	.001 U	.0001 J	.005 J	.002 J	.005 U	.05 J	.003 J	.0002 M	.02 J	.005 J	.0005 M	.002 U	.05 U	.02 J
11/17/00	.05 U		.3	.001 U				.01 U	.07	.01 U		.01 U				.1 U	.01 J
04/28/01	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.04 F	.01 U	.001 U	.01 J	.005 U	.005 U	.1 U	.1 U	.01 J
10/27/01	.05 U		.5	.001 U				.01 U	.07	.01 U		.01 J				.1 U	.01 U
04/27/02	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/26/02	.05 U		.3	.001 U				.01 U	.09	.01 U		.01 U				.1 U	.01
05/30/03	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.08	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/03/03	.05 U		.4	.001 U				.01 U	.07	.01 U		.01 U				.1 U	.01 U
06/05/04	.05 U	.005 U	.4	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
12/03/04	.05 U		.4	.001 U				.01 U	.08	.01 U		.01 U				.1 U	.01 U
05/14/05	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
09/10/05	.05 U		.3	.001 U				.01 U	.05	.01 U		.01 U				.1 U	.01 U
04/22/06	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.07	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.01 U
10/09/06	.05 U		.3	.001 U				.01 U	.05	.01 U		.01 U				.1 U	.01 U
04/21/07	.05 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.05	.01 U	.001 U	.01 U	.005 U	.005 U	.1 U	.1 U	.02
10/13/07	.05 U		.3	.001 U				.01 U	.06	.01 U		.01 U				.1 U	.01 U
04/13/08	.005 U	.005 U	.3	.001 U	.001 U	.01 U	.01 U	.01 U	.08	.01 U	.001 U	.01 U	.005 U	.005 U	.005 U	.1 U	.01 U

SL-5 **TRACE METALS**

SL-5

RICHLAND COUNTY LANDFILL # 102

Date	Acetone	Acrylo nitrile	Benzene	Bromo chloro methane	Bromo dichloro methane	Bromo form	Bromo methane	Carbon Disulfide	Carbon Tetra chloride	Chloro benzene	Chloro dibromo methane	Chloro ethane	Chloro form	Chloro methane	DBCP	1,2-Di bromo ethane
11/03/94	20 X	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
08/01/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 F	1 U	1 U	1 J	1 U	1 U
12/20/95	20 U	20 U	1 U	1 U	1 U	1 U	2 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
07/13/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/23/96	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/19/97	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 M	5 U	1 U
09/12/97	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
09/12/97 D	20 B	20 U	1 U	1 U	1 U	1 U	1 U	20 J	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
05/31/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 X	5 U	1 U
12/12/98	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/22/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
09/24/99	20 U	20 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
05/27/00	20 U	10 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	5 U	1 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-5 ORGANICS - TABLE ONE LIST

SL-5 RICHLAND COUNTY LANDFILL # 102

Date	Dibromo methane	1,2-Di chloro benzene	1,4-Di chloro benzene	Trans-1,4 Dichloro 2-Butene	Dichloro difluoro methane	1,1-Di chloro ethane	1,2-Di chloro ethane	1,1-Di chloro ethene	Cis-1,2 Dichloro ethene	Trans-1,2 Dichloro ethene	1,2-Di chloro propane	Cis-1,3 Dichloro propene	Trans-1,3 Dichloro propene	Ethyl benzene	2-hex anone	Ido methane
11/03/94	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
08/01/95	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
12/20/95	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	10 U
07/13/96	1 U	1 U	1 U	5 U	1 U	1 U	1 X	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
11/23/96	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/19/97	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/12/97 D	1 U	1 U	1 U	5 U	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/31/98	1 U	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
12/12/98	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/22/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
09/24/99	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	20 U
05/27/00	1 U	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	5 U
11/17/00	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/28/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/27/01	1 U	1 U	1 U	2 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/27/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/26/02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/30/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/03/03	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
06/05/04	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
12/03/04	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
05/14/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
09/10/05	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/22/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/09/06	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/21/07	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
10/13/07	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U
04/13/08	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	20 U	1 U

SL-5 ORGANICS - TABLE ONE LIST

SL-5

RICHLAND COUNTY LANDFILL # 102

Date	MEK	Methyl isobutyl ketone	Methylene chloride	Styrene	1,1,1,2 Tetrachloro ethane	1,1,2,2 Tetrachloro ethane	Tetra chloro ethene	Toluene	1,1,1-Tri chloro ethane	1,1,2-Tri chloro ethane	Trichloro ethene	Trichloro fluoro methane	1,2,3-Tri chloro propane	Vinyl acetate	Vinyl chloride	Xylenes
11/03/94	20 U	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
08/01/95	20 J	10 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/20/95	20 U	10 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
07/13/96	20 U	20 U	5 U	1 U	1 U	1 U	1 J	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
11/23/96	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/19/97	20 U	20 U	5 U	1 U	1 U	1 U	1	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97	20 J	20 U	5 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/12/97 D	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/31/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
12/12/98	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/22/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
09/24/99	20 U	20 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U
05/27/00	20 U	20 U	5 B	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2 U
11/17/00	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/28/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/27/01	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/27/02	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/26/02	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/30/03	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/03/03	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
06/05/04	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
12/03/04	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
05/14/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
09/10/05	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/22/06	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/09/06	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/21/07	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
10/13/07	20 U	20 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
04/13/08	20 U	20 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

SL-5 **ORGANICS - TABLE ONE LIST**

ENERGY LABORATORIES
ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916
800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-007
Client Sample ID: Lamphier

Report Date: 04/27/08
Collection Date: 04/13/08 15:15
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		A4500 H	04/15/08 17:41 / age
Conductivity	641	umhos/cm		1		A2510 B	04/15/08 16:58 / age
INORGANICS							
Chloride	17	mg/L		1		E300.0	04/18/08 05:18 / qed
Sulfate	18	mg/L		1		E300.0	04/18/08 05:18 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/17/08 10:31 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	10	mg/L		1		E410.4	04/18/08 07:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.20	mg/L		0.05		E353.2	04/21/08 13:11 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/17/08 06:13 / aje
Arsenic	ND	mg/L		0.005		SW6020	04/17/08 06:13 / aje
Barium	0.2	mg/L		0.1		SW6020	04/17/08 06:13 / aje
Beryllium	ND	mg/L		0.001		SW6020	04/17/08 06:13 / aje
Cadmium	ND	mg/L		0.001		SW6020	04/17/08 06:13 / aje
Chromium	ND	mg/L		0.01		SW6020	04/17/08 06:13 / aje
Cobalt	ND	mg/L		0.01		SW6020	04/17/08 06:13 / aje
Copper	ND	mg/L		0.01		SW6020	04/17/08 06:13 / aje
Iron	ND	mg/L		0.03		SW6010B	04/17/08 12:28 / rlh
Lead	ND	mg/L		0.01		SW6020	04/17/08 06:13 / aje
Mercury	ND	mg/L		0.001		SW7470A	04/23/08 08:38 / jjw
Nickel	ND	mg/L		0.01		SW6020	04/17/08 06:13 / aje
Selenium	ND	mg/L		0.005		SW6020	04/17/08 06:13 / aje
Silver	ND	mg/L		0.005		SW6020	04/17/08 06:13 / aje
Thallium	ND	mg/L		0.005		SW6020	04/17/08 06:13 / aje
Vanadium	ND	mg/L		0.1		SW6020	04/17/08 06:13 / aje
Zinc	0.78	mg/L		0.01		SW6020	04/17/08 06:13 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/18/08 17:06 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/18/08 17:06 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/13/08 15:15
Lab ID:	B08041496-007	**DateReceived:**	04/15/08
Client Sample ID:	Lamphier	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/18/08 17:06 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/18/08 17:06 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/18/08 17:06 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-007
Client Sample ID: Lamphier gw

Report Date: 04/27/08
Collection Date: 04/13/08 15:15
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/18/08 17:06 / sbd
Surr: 1,2-Dichloroethane-d4	93.0	%REC		70-130		SW8260B	04/18/08 17:06 / sbd
Surr: Dibromofluoromethane	100	%REC		77-126		SW8260B	04/18/08 17:06 / sbd
Surr: p-Bromofluorobenzene	100	%REC		76-127		SW8260B	04/18/08 17:06 / sbd
Surr: Toluene-d8	92.0	%REC		79-122		SW8260B	04/18/08 17:06 / sbd

Report Definitions:
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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-004
Client Sample ID: S-3

Report Date: 04/27/08
Collection Date: 04/13/08 12:30
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.3	s.u.		0.1		A4500 H	04/15/08 17:35 / age
Conductivity	1110	umhos/cm		1		A2510 B	04/15/08 16:55 / age
INORGANICS							
Chloride	93	mg/L		1		E300.0	04/18/08 04:43 / qed
Sulfate	179	mg/L		1		E300.0	04/18/08 04:43 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/17/08 10:13 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	10	mg/L		1		E410.4	04/18/08 07:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	04/21/08 14:30 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/17/08 05:53 / aje
Arsenic	ND	mg/L		0.005		SW6020	04/17/08 05:53 / aje
Barium	0.1	mg/L		0.1		SW6020	04/17/08 05:53 / aje
Beryllium	ND	mg/L		0.001		SW6020	04/17/08 05:53 / aje
Cadmium	ND	mg/L		0.001		SW6020	04/17/08 05:53 / aje
Chromium	ND	mg/L		0.01		SW6020	04/17/08 05:53 / aje
Cobalt	ND	mg/L		0.01		SW6020	04/17/08 05:53 / aje
Copper	ND	mg/L		0.01		SW6020	04/17/08 05:53 / aje
Iron	0.20	mg/L		0.03		SW6010B	04/17/08 12:16 / rlh
Lead	ND	mg/L		0.01		SW6020	04/17/08 05:53 / aje
Mercury	ND	mg/L		0.001		SW7470A	04/23/08 08:26 / jjw
Nickel	ND	mg/L		0.01		SW6020	04/17/08 05:53 / aje
Selenium	ND	mg/L		0.005		SW6020	04/17/08 05:53 / aje
Silver	ND	mg/L		0.005		SW6020	04/17/08 05:53 / aje
Thallium	ND	mg/L		0.005		SW6020	04/17/08 05:53 / aje
Vanadium	ND	mg/L		0.1		SW6020	04/17/08 05:53 / aje
Zinc	ND	mg/L		0.01		SW6020	04/17/08 05:53 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/18/08 15:09 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/18/08 15:09 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd

Report Definitions:
RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-004
Client Sample ID: S-3

Report Date: 04/27/08
Collection Date: 04/13/08 12:30
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/18/08 15:09 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/18/08 15:09 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/18/08 15:09 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/13/08 12:30
Lab ID:	B08041496-004	**DateReceived:**	04/15/08
Client Sample ID:	S-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/18/08 15:09 / sbd
Surr: 1,2-Dichloroethane-d4	99.0	%REC		70-130		SW8260B	04/18/08 15:09 / sbd
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	04/18/08 15:09 / sbd
Surr: p-Bromofluorobenzene	99.0	%REC		76-127		SW8260B	04/18/08 15:09 / sbd
Surr: Toluene-d8	89.0	%REC		79-122		SW8260B	04/18/08 15:09 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-008
Client Sample ID: Dup S-3

Report Date: 04/27/08
Collection Date: 04/13/08
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.2	s.u.		0.1		A4500 H	04/15/08 17:42 / age
Conductivity	1120	umhos/cm		1		A2510 B	04/15/08 16:59 / age
INORGANICS							
Chloride	93	mg/L		1		E300.0	04/18/08 06:16 / qed
Sulfate	179	mg/L		1		E300.0	04/18/08 06:16 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/17/08 10:33 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	12	mg/L		1		E410.4	04/18/08 07:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.05		E353.2	04/21/08 13:12 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/17/08 06:20 / aje
Arsenic	ND	mg/L		0.005		SW6020	04/17/08 06:20 / aje
Barium	0.1	mg/L		0.1		SW6020	04/17/08 06:20 / aje
Beryllium	ND	mg/L		0.001		SW6020	04/17/08 06:20 / aje
Cadmium	ND	mg/L		0.001		SW6020	04/17/08 06:20 / aje
Chromium	ND	mg/L		0.01		SW6020	04/17/08 06:20 / aje
Cobalt	ND	mg/L		0.01		SW6020	04/17/08 06:20 / aje
Copper	ND	mg/L		0.01		SW6020	04/17/08 06:20 / aje
Iron	0.25	mg/L		0.03		SW6010B	04/17/08 12:32 / rlh
Lead	ND	mg/L		0.01		SW6020	04/17/08 06:20 / aje
Mercury	ND	mg/L		0.001		SW7470A	04/23/08 08:40 / jjw
Nickel	ND	mg/L		0.01		SW6020	04/17/08 06:20 / aje
Selenium	ND	mg/L		0.005		SW6020	04/17/08 06:20 / aje
Silver	ND	mg/L		0.005		SW6020	04/17/08 06:20 / aje
Thallium	ND	mg/L		0.005		SW6020	04/17/08 06:20 / aje
Vanadium	ND	mg/L		0.1		SW6020	04/17/08 06:20 / aje
Zinc	ND	mg/L		0.01		SW6020	04/17/08 06:20 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/18/08 17:45 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/18/08 17:45 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/13/08
Lab ID:	B08041496-008	**DateReceived:**	04/15/08
Client Sample ID:	Dup	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/18/08 17:45 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/18/08 17:45 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/18/08 17:45 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd

Report Definitions:	RL - Analyte reporting limit. QCL - Quality control limit.	MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/13/08
Lab ID:	B08041496-008	**DateReceived:**	04/15/08
Client Sample ID:	Dup	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/18/08 17:45 / sbd
Surr: 1,2-Dichloroethane-d4	95.0	%REC		70-130		SW8260B	04/18/08 17:45 / sbd
Surr: Dibromofluoromethane	99.0	%REC		77-126		SW8260B	04/18/08 17:45 / sbd
Surr: p-Bromofluorobenzene	98.0	%REC		76-127		SW8260B	04/18/08 17:45 / sbd
Surr: Toluene-d8	91.0	%REC		79-122		SW8260B	04/18/08 17:45 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/12/08 15:50
Lab ID:	B08041496-001	**DateReceived:**	04/15/08
Client Sample ID:	SL-1	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.6	s.u.		0.1		A4500 H	04/15/08 17:30 / age
Conductivity	918	umhos/cm		1		A2510 B	04/15/08 16:52 / age
INORGANICS							
Chloride	5	mg/L		1		E300.0	04/18/08 04:08 / qed
Sulfate	23	mg/L		1		E300.0	04/18/08 04:08 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/17/08 10:07 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	27	mg/L		1		E410.4	04/17/08 10:45 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	25.5	mg/L		0.05		E353.2	04/21/08 13:03 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/17/08 04:37 / aje
Arsenic	ND	mg/L		0.005		SW6020	04/17/08 04:37 / aje
Barium	1.0	mg/L		0.1		SW6020	04/17/08 04:37 / aje
Beryllium	ND	mg/L		0.001		SW6020	04/17/08 04:37 / aje
Cadmium	ND	mg/L		0.001		SW6020	04/17/08 04:37 / aje
Chromium	ND	mg/L		0.01		SW6020	04/17/08 04:37 / aje
Cobalt	ND	mg/L		0.01		SW6020	04/17/08 04:37 / aje
Copper	ND	mg/L		0.01		SW6020	04/17/08 04:37 / aje
Iron	0.09	mg/L		0.03		SW6010B	04/17/08 11:44 / rlh
Lead	ND	mg/L		0.01		SW6020	04/17/08 04:37 / aje
Mercury	ND	mg/L		0.001		SW7470A	04/23/08 08:14 / jjw
Nickel	ND	mg/L		0.01		SW6020	04/17/08 04:37 / aje
Selenium	ND	mg/L		0.005		SW6020	04/17/08 04:37 / aje
Silver	ND	mg/L		0.005		SW6020	04/17/08 04:37 / aje
Thallium	ND	mg/L		0.005		SW6020	04/17/08 04:37 / aje
Vanadium	ND	mg/L		0.1		SW6020	04/17/08 04:37 / aje
Zinc	ND	mg/L		0.01		SW6020	04/17/08 04:37 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/18/08 13:12 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/18/08 13:12 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-001
Client Sample ID: SL-1

Report Date: 04/27/08
Collection Date: 04/12/08 15:50
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,4-Dichlorobenzene	0.81	ug/L	J	1.0		SW8260B	04/18/08 13:12 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
cis-1,2-Dichloroethene	0.84	ug/L	J	1.0		SW8260B	04/18/08 13:12 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/18/08 13:12 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/18/08 13:12 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/18/08 13:12 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/12/08 15:50
Lab ID:	B08041496-001	**DateReceived:**	04/15/08
Client Sample ID:	SL-1	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/18/08 13:12 / sbd
Surr: 1,2-Dichloroethane-d4	96.0	%REC		70-130		SW8260B	04/18/08 13:12 / sbd
Surr: Dibromofluoromethane	100	%REC		77-126		SW8260B	04/18/08 13:12 / sbd
Surr: p-Bromofluorobenzene	98.0	%REC		76-127		SW8260B	04/18/08 13:12 / sbd
Surr: Toluene-d8	92.0	%REC		79-122		SW8260B	04/18/08 13:12 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-005
Client Sample ID: SL-2

Report Date: 04/27/08
Collection Date: 04/13/08 14:55
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.8	s.u.		0.1		A4500 H	04/15/08 17:36 / age
Conductivity	1230	umhos/cm		1		A2510 B	04/15/08 16:56 / age
INORGANICS							
Chloride	46	mg/L		1		E300.0	04/18/08 04:55 / qed
Sulfate	88	mg/L		1		E300.0	04/18/08 04:55 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/17/08 10:15 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	11	mg/L		1		E410.4	04/18/08 07:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	4.72	mg/L		0.05		E353.2	04/21/08 13:17 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/17/08 05:59 / aje
Arsenic	ND	mg/L		0.005		SW6020	04/17/08 05:59 / aje
Barium	0.4	mg/L		0.1		SW6020	04/17/08 05:59 / aje
Beryllium	ND	mg/L		0.001		SW6020	04/17/08 05:59 / aje
Cadmium	ND	mg/L		0.001		SW6020	04/17/08 05:59 / aje
Chromium	ND	mg/L		0.01		SW6020	04/17/08 05:59 / aje
Cobalt	ND	mg/L		0.01		SW6020	04/17/08 05:59 / aje
Copper	ND	mg/L		0.01		SW6020	04/17/08 05:59 / aje
Iron	ND	mg/L		0.03		SW6010B	04/17/08 12:20 / rlh
Lead	ND	mg/L		0.01		SW6020	04/17/08 05:59 / aje
Mercury	ND	mg/L		0.001		SW7470A	04/23/08 08:28 / jjw
Nickel	ND	mg/L		0.01		SW6020	04/17/08 05:59 / aje
Selenium	ND	mg/L		0.005		SW6020	04/17/08 05:59 / aje
Silver	ND	mg/L		0.005		SW6020	04/17/08 05:59 / aje
Thallium	ND	mg/L		0.005		SW6020	04/17/08 05:59 / aje
Vanadium	ND	mg/L		0.1		SW6020	04/17/08 05:59 / aje
Zinc	ND	mg/L		0.01		SW6020	04/17/08 05:59 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/18/08 15:47 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/18/08 15:47 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-005
Client Sample ID: SL-2

Report Date: 04/27/08
Collection Date: 04/13/08 14:55
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Chloroform	1.4	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Dichlorodifluoromethane	0.70	ug/L	J	1.0		SW8260B	04/18/08 15:47 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/18/08 15:47 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/18/08 15:47 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/18/08 15:47 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Tetrachloroethene	4.6	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
1,1,1-Trichloroethane	0.53	ug/L	J	1.0		SW8260B	04/18/08 15:47 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Trichlorofluoromethane	0.27	ug/L	J	1.0		SW8260B	04/18/08 15:47 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
J - Estimated value. The analyte was present but less than the reporting limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/13/08 14:55
Lab ID:	B08041496-005	**DateReceived:**	04/15/08
Client Sample ID:	SL-2	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/18/08 15:47 / sbd
Surr: 1,2-Dichloroethane-d4	97.0	%REC		70-130		SW8260B	04/18/08 15:47 / sbd
Surr: Dibromofluoromethane	99.0	%REC		77-126		SW8260B	04/18/08 15:47 / sbd
Surr: p-Bromofluorobenzene	102	%REC		76-127		SW8260B	04/18/08 15:47 / sbd
Surr: Toluene-d8	90.0	%REC		79-122		SW8260B	04/18/08 15:47 / sbd

Report Definitions:
RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/12/08 17:03
Lab ID:	B08041496-002	**DateReceived:**	04/15/08
Client Sample ID:	SL-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.7	s.u.		0.1		A4500 H	04/15/08 17:32 / age
Conductivity	2990	umhos/cm		1		A2510 B	04/15/08 16:53 / age
INORGANICS							
Chloride	447	mg/L		1		E300.0	04/18/08 04:20 / qed
Sulfate	17	mg/L		1		E300.0	04/18/08 04:20 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/17/08 10:09 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	18	mg/L		1		E410.4	04/17/08 10:45 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.79	mg/L		0.05		E353.2	04/21/08 13:04 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/17/08 05:32 / aje
Arsenic	ND	mg/L		0.005		SW6020	04/17/08 05:32 / aje
Barium	3.2	mg/L		0.1		SW6020	04/17/08 05:32 / aje
Beryllium	ND	mg/L		0.001		SW6020	04/17/08 05:32 / aje
Cadmium	ND	mg/L		0.001		SW6020	04/17/08 05:32 / aje
Chromium	ND	mg/L		0.01		SW6020	04/17/08 05:32 / aje
Cobalt	ND	mg/L		0.01		SW6020	04/17/08 05:32 / aje
Copper	ND	mg/L		0.01		SW6020	04/17/08 05:32 / aje
Iron	0.04	mg/L		0.03		SW6010B	04/17/08 11:56 / rlh
Lead	ND	mg/L		0.01		SW6020	04/17/08 05:32 / aje
Mercury	ND	mg/L		0.001		SW7470A	04/23/08 08:21 / jjw
Nickel	ND	mg/L		0.01		SW6020	04/17/08 05:32 / aje
Selenium	ND	mg/L		0.005		SW6020	04/17/08 05:32 / aje
Silver	ND	mg/L		0.005		SW6020	04/17/08 05:32 / aje
Thallium	ND	mg/L		0.005		SW6020	04/17/08 05:32 / aje
Vanadium	ND	mg/L		0.1		SW6020	04/17/08 05:32 / aje
Zinc	ND	mg/L		0.01		SW6020	04/17/08 05:32 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/18/08 13:51 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/18/08 13:51 / sbd
Benzene	0.96	ug/L	J	1.0		SW8260B	04/18/08 13:51 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd

Report Definitions:

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MCL - Maximum contaminant level.
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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/12/08 17:03
Lab ID:	B08041496-002	**DateReceived:**	04/15/08
Client Sample ID:	SL-3	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Chloroform	1.2	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Dichlorodifluoromethane	4.1	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,1-Dichloroethane	3.9	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
cis-1,2-Dichloroethene	3.7	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,2-Dichloropropane	0.68	ug/L	J	1.0		SW8260B	04/18/08 13:51 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/18/08 13:51 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/18/08 13:51 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/18/08 13:51 / sbd
Methylene chloride	0.61	ug/L	J	1.0		SW8260B	04/18/08 13:51 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Tetrachloroethene	8.4	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,1,1-Trichloroethane	1.7	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Trichloroethene	1.4	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Trichlorofluoromethane	1.0	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-002
Client Sample ID: SL-3

Report Date: 04/27/08
Collection Date: 04/12/08 17:03
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/18/08 13:51 / sbd
Surr: 1,2-Dichloroethane-d4	97.0	%REC		70-130		SW8260B	04/18/08 13:51 / sbd
Surr: Dibromofluoromethane	98.0	%REC		77-126		SW8260B	04/18/08 13:51 / sbd
Surr: p-Bromofluorobenzene	100	%REC		76-127		SW8260B	04/18/08 13:51 / sbd
Surr: Toluene-d8	92.0	%REC		79-122		SW8260B	04/18/08 13:51 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-003
Client Sample ID: SL-4 GM

Report Date: 04/27/08
Collection Date: 04/12/08 18:17
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.0	s.u.		0.1		A4500 H	04/15/08 17:33 / age
Conductivity	2370	umhos/cm		1		A2510 B	04/15/08 16:54 / age
INORGANICS							
Chloride	119	mg/L		1		E300.0	04/18/08 04:32 / qed
Sulfate	199	mg/L		1		E300.0	04/18/08 04:32 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/17/08 10:11 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	23	mg/L		1		E410.4	04/17/08 10:45 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	17.7	mg/L		0.05		E353.2	04/21/08 13:14 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/17/08 05:46 / aje
Arsenic	ND	mg/L		0.005		SW6020	04/17/08 05:46 / aje
Barium	0.1	mg/L		0.1		SW6020	04/17/08 05:46 / aje
Beryllium	ND	mg/L		0.001		SW6020	04/17/08 05:46 / aje
Cadmium	ND	mg/L		0.001		SW6020	04/17/08 05:46 / aje
Chromium	ND	mg/L		0.01		SW6020	04/17/08 05:46 / aje
Cobalt	ND	mg/L		0.01		SW6020	04/17/08 05:46 / aje
Copper	ND	mg/L		0.01		SW6020	04/17/08 05:46 / aje
Iron	ND	mg/L		0.03		SW6010B	04/17/08 12:12 / rlh
Lead	ND	mg/L		0.01		SW6020	04/17/08 05:46 / aje
Mercury	ND	mg/L		0.001		SW7470A	04/23/08 08:23 / jjw
Nickel	ND	mg/L		0.01		SW6020	04/17/08 05:46 / aje
Selenium	0.006	mg/L		0.005		SW6020	04/17/08 05:46 / aje
Silver	ND	mg/L		0.005		SW6020	04/17/08 05:46 / aje
Thallium	ND	mg/L		0.005		SW6020	04/17/08 05:46 / aje
Vanadium	ND	mg/L		0.1		SW6020	04/17/08 05:46 / aje
Zinc	ND	mg/L		0.01		SW6020	04/17/08 05:46 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/18/08 14:29 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/18/08 14:29 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/12/08 18:17
Lab ID:	B08041496-003	**DateReceived:**	04/15/08
Client Sample ID:	SL-4	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Chloroform	0.71	ug/L	J	1.0		SW8260B	04/18/08 14:29 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Dichlorodifluoromethane	0.40	ug/L	J	1.0		SW8260B	04/18/08 14:29 / sbd
1,1-Dichloroethane	0.40	ug/L	J	1.0		SW8260B	04/18/08 14:29 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
cis-1,2-Dichloroethene	0.83	ug/L	J	1.0		SW8260B	04/18/08 14:29 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
1,2-Dichloropropane	0.93	ug/L	J	1.0		SW8260B	04/18/08 14:29 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/18/08 14:29 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/18/08 14:29 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/18/08 14:29 / sbd
Methylene chloride	0.42	ug/L	J	1.0		SW8260B	04/18/08 14:29 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Tetrachloroethene	22	ug/L		10		SW8260B	04/20/08 18:33 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
1,1,1-Trichloroethane	0.30	ug/L	J	1.0		SW8260B	04/18/08 14:29 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Trichloroethene	0.66	ug/L	J	1.0		SW8260B	04/18/08 14:29 / sbd
Trichlorofluoromethane	0.30	ug/L	J	1.0		SW8260B	04/18/08 14:29 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

J - Estimated value. The analyte was present but less than the reporting limit.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/12/08 18:17
Lab ID:	B08041496-003	**DateReceived:**	04/15/08
Client Sample ID:	SL-4	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/18/08 14:29 / sbd
Surr: 1,2-Dichloroethane-d4	101	%REC		70-130		SW8260B	04/18/08 14:29 / sbd
Surr: Dibromofluoromethane	102	%REC		77-126		SW8260B	04/18/08 14:29 / sbd
Surr: p-Bromofluorobenzene	100	%REC		76-127		SW8260B	04/18/08 14:29 / sbd
Surr: Toluene-d8	91.0	%REC		79-122		SW8260B	04/18/08 14:29 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-006
Client Sample ID: SL-5

Report Date: 04/27/08
Collection Date: 04/13/08 14:00
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.4	s.u.		0.1		A4500 H	04/15/08 17:40 / age
Conductivity	683	umhos/cm		1		A2510 B	04/15/08 16:57 / age
INORGANICS							
Chloride	7	mg/L		1		E300.0	04/18/08 05:07 / qed
Sulfate	19	mg/L		1		E300.0	04/18/08 05:07 / qed
Cyanide, Total	ND	mg/L		0.005		Kelada mod	04/17/08 10:24 / kjp
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	10	mg/L		1		E410.4	04/18/08 07:30 / bls
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.40	mg/L		0.05		E353.2	04/21/08 13:07 / bls
METALS, DISSOLVED							
Antimony	ND	mg/L		0.005		SW6020	04/17/08 06:06 / aje
Arsenic	ND	mg/L		0.005		SW6020	04/17/08 06:06 / aje
Barium	0.3	mg/L		0.1		SW6020	04/17/08 06:06 / aje
Beryllium	ND	mg/L		0.001		SW6020	04/17/08 06:06 / aje
Cadmium	ND	mg/L		0.001		SW6020	04/17/08 06:06 / aje
Chromium	ND	mg/L		0.01		SW6020	04/17/08 06:06 / aje
Cobalt	ND	mg/L		0.01		SW6020	04/17/08 06:06 / aje
Copper	ND	mg/L		0.01		SW6020	04/17/08 06:06 / aje
Iron	0.08	mg/L		0.03		SW6010B	04/17/08 12:24 / rlh
Lead	ND	mg/L		0.01		SW6020	04/17/08 06:06 / aje
Mercury	ND	mg/L		0.001		SW7470A	04/23/08 08:31 / jjw
Nickel	ND	mg/L		0.01		SW6020	04/17/08 06:06 / aje
Selenium	ND	mg/L		0.005		SW6020	04/17/08 06:06 / aje
Silver	ND	mg/L		0.005		SW6020	04/17/08 06:06 / aje
Thallium	ND	mg/L		0.005		SW6020	04/17/08 06:06 / aje
Vanadium	ND	mg/L		0.1		SW6020	04/17/08 06:06 / aje
Zinc	ND	mg/L		0.01		SW6020	04/17/08 06:06 / aje
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/18/08 16:27 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/18/08 16:27 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-006
Client Sample ID: SL-5

Report Date: 04/27/08
Collection Date: 04/13/08 14:00
DateReceived: 04/15/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/18/08 16:27 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/18/08 16:27 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/18/08 16:27 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Trichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/13/08 14:00
Lab ID:	B08041496-006	**DateReceived:**	04/15/08
Client Sample ID:	SL-5	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/18/08 16:27 / sbd
Surr: 1,2-Dichloroethane-d4	101	%REC		70-130		SW8260B	04/18/08 16:27 / sbd
Surr: Dibromofluoromethane	104	%REC		77-126		SW8260B	04/18/08 16:27 / sbd
Surr: p-Bromofluorobenzene	100	%REC		76-127		SW8260B	04/18/08 16:27 / sbd
Surr: Toluene-d8	94.0	%REC		79-122		SW8260B	04/18/08 16:27 / sbd

Report Definitions:	RL - Analyte reporting limit.	MCL - Maximum contaminant level.
	QCL - Quality control limit.	ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-009
Client Sample ID: Trip Blank 1 Lot040408 B-J. Matteson SHP0234

Report Date: 04/27/08
Collection Date: 04/12/08 15:50
DateReceived: 04/15/08
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/18/08 18:26 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/18/08 18:26 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/18/08 18:26 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/18/08 18:26 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/18/08 18:26 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd

Report Definitions:
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QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Lab ID: B08041496-009
Client Sample ID: Trip Blank 1 Lot040408 B-J. Matteson SHP0234

Report Date: 04/27/08
Collection Date: 04/12/08 15:50
DateReceived: 04/15/08
Matrix: Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/18/08 18:26 / sbd
Surr: 1,2-Dichloroethane-d4	93.0	%REC		70-130		SW8260B	04/18/08 18:26 / sbd
Surr: Dibromofluoromethane	99.0	%REC		77-126		SW8260B	04/18/08 18:26 / sbd
Surr: p-Bromofluorobenzene	99.0	%REC		76-127		SW8260B	04/18/08 18:26 / sbd
Surr: Toluene-d8	91.0	%REC		79-122		SW8260B	04/18/08 18:26 / sbd

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/12/08 17:03
Lab ID:	B08041496-010	**DateReceived:**	04/15/08
Client Sample ID:	Trip Blank 2 Lot040408 B-J. Matteson SHP0234	**Matrix:**	Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/18/08 19:05 / sbd
Acrylonitrile	ND	ug/L		20		SW8260B	04/18/08 19:05 / sbd
Benzene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Bromochloromethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Bromodichloromethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Bromoform	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Bromomethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Carbon disulfide	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Chlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Chlorodibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Chloroethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Chloroform	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Chloromethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,2-Dibromo-3-chloropropane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,2-Dibromoethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Dibromomethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,2-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,4-Dichlorobenzene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
trans-1,4-Dichloro-2-butene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Dichlorodifluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,1-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,2-Dichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,1-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
cis-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
trans-1,2-Dichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,2-Dichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
cis-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
trans-1,3-Dichloropropene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Ethylbenzene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
2-Hexanone	ND	ug/L		20		SW8260B	04/18/08 19:05 / sbd
Iodomethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/18/08 19:05 / sbd
Methyl isobutyl ketone	ND	ug/L		20		SW8260B	04/18/08 19:05 / sbd
Methylene chloride	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Styrene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,1,1,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,1,2,2-Tetrachloroethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Tetrachloroethene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Toluene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,1,1-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,1,2-Trichloroethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd

Report Definitions:	RL - Analyte reporting limit. QCL - Quality control limit.	MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client:	Richland County Health Dept	**Report Date:**	04/27/08
Project:	Landfill 102 April 12 13 2008	**Collection Date:**	04/12/08 17:03
Lab ID:	B08041496-010	**DateReceived:**	04/15/08
Client Sample ID:	Trip Blank 2 Lot040408 B-J. Matteson SHP0234	**Matrix:**	Trip Blank

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Trichloroethene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Trichlorofluoromethane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
1,2,3-Trichloropropane	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Vinyl acetate	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Vinyl chloride	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
m+p-Xylenes	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
o-Xylene	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/18/08 19:05 / sbd
Surr: 1,2-Dichloroethane-d4	96.0	%REC		70-130		SW8260B	04/18/08 19:05 / sbd
Surr: Dibromofluoromethane	99.0	%REC		77-126		SW8260B	04/18/08 19:05 / sbd
Surr: p-Bromofluorobenzene	103	%REC		76-127		SW8260B	04/18/08 19:05 / sbd
Surr: Toluene-d8	92.0	%REC		79-122		SW8260B	04/18/08 19:05 / sbd

Report Definitions:	RL - Analyte reporting limit. QCL - Quality control limit.	MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/27/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2510 B**									Batch: PHSC080415A
Sample ID: **PHC1080227A**	Laboratory Control Sample				Run: ORION555A_080415A				04/15/08 08:28
Conductivity	150	umhos/cm	1.0	100	90	110			
Sample ID: **PHC1071220A**	Laboratory Control Sample				Run: ORION555A_080415A				04/15/08 08:30
Conductivity	4960	umhos/cm	1.0	99	90	110			
Sample ID: **B08041480-001ADUP**	Sample Duplicate				Run: ORION555A_080415A				04/15/08 15:08
Conductivity	156	umhos/cm	1.0				0.6	10	
Method: **A4500 H**									Analytical Run: ORION555A_080415A
Sample ID: **PHC1080402C**	Initial Calibration Verification Standard								04/15/08 08:32
pH	7.02	s.u.	0.10	100	98	102			
Method: **A4500 H**									Batch: PHSC080415A
Sample ID: **PHC1080402A**	Laboratory Control Sample				Run: ORION555A_080415A				04/15/08 08:31
pH	4.05	s.u.	0.10	101	97	103			
Sample ID: **B08041493-002ADUP**	Sample Duplicate				Run: ORION555A_080415A				04/15/08 17:47
pH	7.92	s.u.	0.10				0.3	10	
Method: **E200.7**									Analytical Run: ICP202-B_080417A
Sample ID: **QCS**	Initial Calibration Verification Standard								04/18/08 15:05
Iron	5.09	mg/L	0.030	102	90	110			
Method: **E200.7**									Batch: R109407
Sample ID: **MB-SPDIS080417A**	Method Blank				Run: ICP202-B_080417A				04/17/08 11:20
Iron	ND	mg/L	0.002						
Sample ID: **LFB-SPDIS080417A**	Laboratory Fortified Blank				Run: ICP202-B_080417A				04/17/08 11:24
Iron	5.11	mg/L	0.030	102	85	115			
Sample ID: **LFB-SPDIS080418A**	Laboratory Fortified Blank				Run: ICP202-B_080417A				04/18/08 16:02
Iron	4.41	mg/L	0.030	88	85	115			
Sample ID: **B08041794-001BMS5**	Sample Matrix Spike				Run: ICP202-B_080417A				04/18/08 23:58
Iron	14.6	mg/L	0.030		70	130			A
Sample ID: **B08041794-001BMSD5**	Sample Matrix Spike Duplicate				Run: ICP202-B_080417A				04/19/08 00:02
Iron	15.0	mg/L	0.030		70	130	2.3	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 04/27/08
Project: Landfill 102 April 12 13 2008 **Work Order:** B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1						Analytical Run: HGCV201-B_080423A			
Sample ID: QCS	Initial Calibration Verification Standard								04/23/08 08:02
Mercury	0.00182	mg/L	0.0010	91	90	110			
Method: E300.0						Analytical Run: IC202-B_080414A			
Sample ID: ICV	Initial Calibration Verification Standard								04/15/08 08:32
Chloride	24.7	mg/L	1.0	99	90	110			
Sulfate	97.9	mg/L	1.0	98	90	110			
Method: E300.0						Batch: R109170			
Sample ID: ICB	Method Blank				Run: IC202-B_080414A				04/15/08 08:44
Chloride	0.04	mg/L	0.03						
Sulfate	0.1	mg/L	0.06						
Sample ID: LFB	Laboratory Fortified Blank				Run: IC202-B_080414A				04/15/08 08:55
Chloride	9.20	mg/L	1.0	92	90	110			
Sulfate	36.5	mg/L	1.0	91	90	110			
Sample ID: B08041493-005AMS	Sample Matrix Spike				Run: IC202-B_080414A				04/18/08 02:47
Chloride	43.9	mg/L	1.0	100	90	110			
Sulfate	367	mg/L	1.0	99	90	110			
Sample ID: B08041493-005AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_080414A				04/18/08 02:59
Chloride	43.5	mg/L	1.0	99	90	110	0.8	20	
Sulfate	366	mg/L	1.0	98	90	110	0.3	20	
Sample ID: B08041496-007AMS	Sample Matrix Spike				Run: IC202-B_080414A				04/18/08 05:53
Chloride	42.8	mg/L	1.0	105	90	110			
Sulfate	120	mg/L	1.0	102	90	110			
Sample ID: B08041496-007AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_080414A				04/18/08 06:05
Chloride	42.9	mg/L	1.0	105	90	110	0.2	20	
Sulfate	120	mg/L	1.0	102	90	110	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES

ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916
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QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008
Report Date: 04/27/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2 — Analytical Run: FIA203-B_080421A									
Sample ID: ICV — Initial Calibration Verification Standard — 04/21/08 10:39									
Nitrogen, Nitrate+Nitrite as N	36.9	mg/L	0.050	104	90	110			
Method: E353.2 — Batch: R109436									
Sample ID: MBLK — Method Blank — Run: FIA203-B_080421A — 04/21/08 10:40									
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.002						
Sample ID: LFB — Laboratory Fortified Blank — Run: FIA203-B_080421A — 04/21/08 10:41									
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	104	90	110			
Sample ID: B08041496-006CMS — Sample Matrix Spike — Run: FIA203-B_080421A — 04/21/08 13:09									
Nitrogen, Nitrate+Nitrite as N	1.46	mg/L	0.050	108	90	110			
Sample ID: B08041496-006CMSD — Sample Matrix Spike Duplicate — Run: FIA203-B_080421A — 04/21/08 13:10									
Nitrogen, Nitrate+Nitrite as N	1.48	mg/L	0.050	109	90	110	1.2	10	
Sample ID: B08041505-001CMS — Sample Matrix Spike — Run: FIA203-B_080421A — 04/21/08 13:25									
Nitrogen, Nitrate+Nitrite as N	3.83	mg/L	0.050	106	90	110			
Sample ID: B08041505-001CMSD — Sample Matrix Spike Duplicate — Run: FIA203-B_080421A — 04/21/08 13:26									
Nitrogen, Nitrate+Nitrite as N	3.80	mg/L	0.050	103	90	110	0.7	10	
Sample ID: B08041621-005CMS — Sample Matrix Spike — Run: FIA203-B_080421A — 04/21/08 14:23									
Nitrogen, Nitrate+Nitrite as N	0.487	mg/L	0.050	49	90	110			S
Sample ID: B08041621-005CMSD — Sample Matrix Spike Duplicate — Run: FIA203-B_080421A — 04/21/08 14:25									
Nitrogen, Nitrate+Nitrite as N	0.472	mg/L	0.050	48	90	110	3.1	10	S
Method: E410.4 — Batch: R109348									
Sample ID: MB-R109348 — Method Blank — Run: MISC-WC_080417L — 04/17/08 10:45									
Oxygen Demand, Chemical (COD)	ND	mg/L	1						
Sample ID: LCS-R109348 — Laboratory Control Sample — Run: MISC-WC_080417L — 04/17/08 10:45									
Oxygen Demand, Chemical (COD)	116	mg/L	2.0	100	90	110			
Sample ID: B08041496-001CMS — Sample Matrix Spike — Run: MISC-WC_080417L — 04/17/08 10:45									
Oxygen Demand, Chemical (COD)	53.7	mg/L	1.0	109	90	110			
Sample ID: B08041496-001CMSD — Sample Matrix Spike Duplicate — Run: MISC-WC_080417L — 04/17/08 10:45									
Oxygen Demand, Chemical (COD)	52.8	mg/L	1.0	106	90	110	1.7	10	
Sample ID: LFB — Laboratory Fortified Blank — Run: MISC-WC_080417L — 04/17/08 10:45									
Oxygen Demand, Chemical (COD)	25.2	mg/L	1.0	103	90	110			

Qualifiers:

RL - Analyte reporting limit.

S - Spike recovery outside of advisory limits.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/27/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Batch: R109418
Sample ID: MB-R109418	Method Blank				Run: MISC-WC_080418G				04/18/08 07:30
Oxygen Demand, Chemical (COD)	ND	mg/L	1						
Sample ID: LCS-R109418	Laboratory Control Sample				Run: MISC-WC_080418G				04/18/08 07:30
Oxygen Demand, Chemical (COD)	120	mg/L	2.0	103	90	110			
Sample ID: B08041496-007CMS	Sample Matrix Spike				Run: MISC-WC_080418G				04/18/08 07:30
Oxygen Demand, Chemical (COD)	31.9	mg/L	1.0	90	90	110			
Sample ID: B08041496-007CMSD	Sample Matrix Spike Duplicate				Run: MISC-WC_080418G				04/18/08 07:30
Oxygen Demand, Chemical (COD)	32.3	mg/L	1.0	91	90	110	1.2	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: MISC-WC_080418G				04/18/08 07:30
Oxygen Demand, Chemical (COD)	25.5	mg/L	1.0	105	90	110			
Method: Kelada mod									Analytical Run: AUTOAN201-B_080417A
Sample ID: ICV-1	Initial Calibration Verification Standard								04/17/08 09:09
Cyanide, Total	0.152	mg/L	0.0050	101	90	110			
Method: Kelada mod									Batch: R109336
Sample ID: LFB-4	Laboratory Fortified Blank				Run: AUTOAN201-B_080417A				04/17/08 09:14
Cyanide, Total	0.102	mg/L	0.0050	102	90	110			
Sample ID: MBLK-5	Method Blank				Run: AUTOAN201-B_080417A				04/17/08 09:16
Cyanide, Total	ND	mg/L	0.003						
Sample ID: B08041493-003DMS	Sample Matrix Spike				Run: AUTOAN201-B_080417A				04/17/08 09:53
Cyanide, Total	10.7	mg/L	0.28	103	90	110			
Sample ID: B08041493-003DMSD	Sample Matrix Spike Duplicate				Run: AUTOAN201-B_080417A				04/17/08 09:55
Cyanide, Total	11.3	mg/L	0.28	110	90	110			
Sample ID: B08041496-006DMS	Sample Matrix Spike				Run: AUTOAN201-B_080417A				04/17/08 10:26
Cyanide, Total	0.116	mg/L	0.0050	116	90	110			S
Sample ID: B08041496-006DMSD	Sample Matrix Spike Duplicate				Run: AUTOAN201-B_080417A				04/17/08 10:28
Cyanide, Total	0.115	mg/L	0.0050	115	90	110			S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/27/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6010B									Analytical Run: ICP202-B_080417A
Sample ID: QCS	Initial Calibration Verification Standard								04/17/08 10:26
Iron	5.10	mg/L	0.030	102	90	110			
Sample ID: ICSA	Interference Check Sample A								04/17/08 10:43
Iron	190	mg/L	0.091	95	80	120			
Sample ID: ICSAB	Interference Check Sample AB								04/17/08 10:47
Iron	187	mg/L	0.091	94	80	120			
Method: SW6010B									Batch: R109407
Sample ID: B08041496-002BDIL	Serial Dilution				Run: ICP202-B_080417A				04/17/08 12:08
Iron	ND	mg/L	0.13		0	0	0.0	10	
Sample ID: B08041640-001BMS2	Sample Matrix Spike				Run: ICP202-B_080417A				04/17/08 23:25
Iron	24.8	mg/L	0.030	95	75	125			
Sample ID: B08041640-001BMSD2	Sample Matrix Spike Duplicate				Run: ICP202-B_080417A				04/17/08 23:29
Iron	25.2	mg/L	0.030	96	75	125	1.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/27/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW6020**						Analytical Run: ICPMS204-B_080417A			
Sample ID: **QCS-ME080125B,071203**	Initial Calibration Verification Standard								04/17/08 03:34
Antimony	0.0512	mg/L	0.0010	102	90	110			
Arsenic	0.0507	mg/L	0.0010	101	90	110			
Barium	0.0505	mg/L	0.0010	101	90	110			
Beryllium	0.0248	mg/L	0.0010	99	90	110			
Cadmium	0.0262	mg/L	0.0010	105	90	110			
Chromium	0.0503	mg/L	0.0010	101	90	110			
Cobalt	0.0501	mg/L	0.0010	100	90	110			
Copper	0.0503	mg/L	0.0010	101	90	110			
Lead	0.0504	mg/L	0.0010	101	90	110			
Nickel	0.0506	mg/L	0.0010	101	90	110			
Selenium	0.0514	mg/L	0.0010	103	90	110			
Silver	0.0253	mg/L	0.0010	101	90	110			
Thallium	0.0504	mg/L	0.0010	101	90	110			
Vanadium	0.0497	mg/L	0.0010	99	90	110			
Zinc	0.0516	mg/L	0.0010	103	90	110			
Sample ID: **ICSA**	Interference Check Sample A								04/17/08 03:55
Antimony	0.000141	mg/L	0.0010						
Arsenic	6.15E-05	mg/L	0.0010						
Barium	5.42E-05	mg/L	0.0010						
Beryllium	1.07E-05	mg/L	0.0010						
Cadmium	0.000574	mg/L	0.0010						
Chromium	0.00106	mg/L	0.0010						
Cobalt	0.000131	mg/L	0.0010						
Copper	0.000246	mg/L	0.0010						
Lead	9.68E-05	mg/L	0.0010						
Nickel	0.000731	mg/L	0.0010						
Selenium	3.96E-05	mg/L	0.0010						
Silver	0.000105	mg/L	0.0010						
Thallium	2.77E-05	mg/L	0.0010						
Vanadium	4.99E-05	mg/L	0.0010						
Zinc	0.00177	mg/L	0.0010						
Sample ID: **ICSAB**	Interference Check Sample AB								04/17/08 04:02
Antimony	0.000114	mg/L	0.0010		0	0			
Arsenic	0.0122	mg/L	0.0010	122	70	130			
Barium	6.18E-05	mg/L	0.0010		0	0			
Beryllium	1.14E-05	mg/L	0.0010		0	0			
Cadmium	0.0118	mg/L	0.0010	118	70	130			
Chromium	0.0254	mg/L	0.0010	127	70	130			
Cobalt	0.0235	mg/L	0.0010	117	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/27/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020						Analytical Run: ICPMS204-B_080417A			
Sample ID: ICSAB	Interference Check Sample AB					04/17/08 04:02			
Copper	0.0239	mg/L	0.0010	120	70	130			
Lead	0.000102	mg/L	0.0010		0	0			
Nickel	0.0247	mg/L	0.0010	124	70	130			
Selenium	0.0115	mg/L	0.0010	115	70	130			
Silver	0.0234	mg/L	0.0010	117	70	130			
Thallium	1.63E-05	mg/L	0.0010		0	0			
Vanadium	0.0245	mg/L	0.0010	123	70	130			
Zinc	0.0135	mg/L	0.0010	115	70	130			
Method: SW6020						Batch: R109301			
Sample ID: LRB	Method Blank				Run: ICPMS204-B_080417A	04/17/08 04:16			
Antimony	7E-06	mg/L	4E-06						
Arsenic	ND	mg/L	4E-05						
Barium	ND	mg/L	3E-05						
Beryllium	ND	mg/L	4E-06						
Cadmium	ND	mg/L	3E-06						
Chromium	ND	mg/L	4E-05						
Cobalt	ND	mg/L	5E-06						
Copper	ND	mg/L	3E-05						
Lead	ND	mg/L	3E-06						
Nickel	ND	mg/L	3E-05						
Selenium	ND	mg/L	0.0001						
Silver	6E-05	mg/L	7E-06						
Thallium	ND	mg/L	4E-06						
Vanadium	ND	mg/L	3E-05						
Zinc	0.0008	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS204-B_080417A	04/17/08 04:23			
Antimony	0.0517	mg/L	0.050	103	85	115			
Arsenic	0.0515	mg/L	0.0050	103	85	115			
Barium	0.0518	mg/L	0.10	104	85	115			
Beryllium	0.0485	mg/L	0.0010	97	85	115			
Cadmium	0.0507	mg/L	0.0010	101	85	115			
Chromium	0.0518	mg/L	0.010	104	85	115			
Cobalt	0.0497	mg/L	0.010	99	85	115			
Copper	0.0517	mg/L	0.010	103	85	115			
Lead	0.0526	mg/L	0.010	105	85	115			
Nickel	0.0516	mg/L	0.010	103	85	115			
Selenium	0.0513	mg/L	0.0050	103	85	115			
Silver	0.0204	mg/L	0.0050	102	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/27/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Batch: R109301	
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS204-B_080417A			04/17/08 04:23	
Thallium	0.0525	mg/L	0.10	105	85	115			
Vanadium	0.0518	mg/L	0.10	104	85	115			
Zinc	0.0522	mg/L	0.010	103	85	115			
Sample ID: B08041496-001BMS	Sample Matrix Spike				Run: ICPMS204-B_080417A			04/17/08 04:43	
Antimony	0.0500	mg/L	0.0050	99	75	125			
Arsenic	0.0530	mg/L	0.0050	105	75	125			
Barium	1.07	mg/L	0.10		75	125			A
Beryllium	0.0484	mg/L	0.0010	97	75	125			
Cadmium	0.0484	mg/L	0.0010	97	75	125			
Chromium	0.0501	mg/L	0.010	100	75	125			
Cobalt	0.0479	mg/L	0.010	95	75	125			
Copper	0.0504	mg/L	0.010	97	75	125			
Lead	0.0506	mg/L	0.010	101	75	125			
Nickel	0.0506	mg/L	0.010	98	75	125			
Selenium	0.0551	mg/L	0.0050	105	75	125			
Silver	0.0161	mg/L	0.0050	81	75	125			
Thallium	0.0509	mg/L	0.0050	102	75	125			
Vanadium	0.0509	mg/L	0.10	101	75	125			
Zinc	0.0578	mg/L	0.010	97	75	125			
Sample ID: B08041496-001BMSD	Sample Matrix Spike Duplicate				Run: ICPMS204-B_080417A			04/17/08 04:50	
Antimony	0.0504	mg/L	0.0050	100	75	125	0.8	20	
Arsenic	0.0532	mg/L	0.0050	105	75	125	0.3	20	
Barium	1.08	mg/L	0.10		75	125	0.3	20	A
Beryllium	0.0493	mg/L	0.0010	99	75	125	1.9	20	
Cadmium	0.0486	mg/L	0.0010	97	75	125	0.4	20	
Chromium	0.0494	mg/L	0.010	98	75	125	1.5	20	
Cobalt	0.0483	mg/L	0.010	96	75	125	0.9	20	
Copper	0.0494	mg/L	0.010	95	75	125	2.1	20	
Lead	0.0504	mg/L	0.010	100	75	125	0.5	20	
Nickel	0.0496	mg/L	0.010	96	75	125	2.0	20	
Selenium	0.0566	mg/L	0.0050	108	75	125	2.8	20	
Silver	0.0157	mg/L	0.0050	79	75	125	2.8	20	
Thallium	0.0506	mg/L	0.0050	101	75	125	0.5	20	
Vanadium	0.0502	mg/L	0.10	99	75	125	0.0	20	
Zinc	0.0566	mg/L	0.010	94	75	125	2.0	20	
Sample ID: B08041496-002BDIL	Serial Dilution				Run: ICPMS204-B_080417A			04/17/08 05:39	
Antimony	0.000176	mg/L	0.0050		0	0		10	N
Arsenic	0.00239	mg/L	0.0050		0	0	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/27/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Batch: R109301	
Sample ID: B08041496-002BDIL	Serial Dilution				Run: ICPMS204-B_080417A			04/17/08 05:39	
Barium	3.15	mg/L	0.10		0	0	0.5	10	
Beryllium	ND	mg/L	0.0010		0	0	0.0	10	
Cadmium	ND	mg/L	0.0010		0	0	0.0	10	
Chromium	ND	mg/L	0.010		0	0	0.0	10	
Cobalt	0.00206	mg/L	0.010		0	0		10	N
Copper	0.000654	mg/L	0.010		0	0		10	N
Lead	ND	mg/L	0.010		0	0	0.0	10	
Nickel	0.00541	mg/L	0.010		0	0	0.0	10	
Selenium	ND	mg/L	0.0050		0	0	0.0	10	
Silver	ND	mg/L	0.0050		0	0	0.0	10	
Thallium	ND	mg/L	0.0050		0	0	0.0	10	
Vanadium	0.00210	mg/L	0.10		0	0	0.0	10	
Zinc	0.0106	mg/L	0.010		0	0		10	N
Method: SW7470A								Batch: 32047	
Sample ID: MB-32047	Method Blank				Run: HGCV201-B_080423A			04/23/08 08:09	
Mercury	ND	mg/L	5E-05						
Sample ID: B08041986-006BDIL	Serial Dilution				Run: HGCV201-B_080423A			04/23/08 09:23	
Mercury	ND	mg/L	0.0010		0	0	0.0	10	
Sample ID: LCS-32047	Laboratory Control Sample				Run: HGCV201-B_080423A			04/23/08 14:35	
Mercury	0.0022	mg/L	0.0010	109	90	110			
Sample ID: B08041496-001BMS	Sample Matrix Spike				Run: HGCV201-B_080423A			04/23/08 14:37	
Mercury	0.0021	mg/L	0.0010	107	85	115			
Sample ID: B08041496-001BMSD	Sample Matrix Spike Duplicate				Run: HGCV201-B_080423A			04/23/08 14:42	
Mercury	0.0019	mg/L	0.0010	97	85	115	10	20	

Qualifiers:

RL - Analyte reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept **Report Date:** 04/22/08
Project: Landfill 102 April 12 13 2008 **Work Order:** B08041496

Method: **SW8260B** Batch: R109506

Sample ID: **lcs041808** Laboratory Control Sample Run: 5971A.I_080418A 04/18/08 11:14

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Acetone	48.8	ug/L	20	98	62	130			
Acrylonitrile	54.0	ug/L	20	108	60	130			
Benzene	4.72	ug/L	1.0	94	71	133			
Bromochloromethane	5.40	ug/L	1.0	108	68	131			
Bromodichloromethane	4.44	ug/L	1.0	89	67	138			
Bromoform	5.28	ug/L	1.0	106	64	136			
Bromomethane	4.60	ug/L	1.0	92	60	138			
Carbon disulfide	4.48	ug/L	1.0	90	46	145			
Carbon tetrachloride	4.48	ug/L	1.0	90	61	144			
Chlorobenzene	4.64	ug/L	1.0	93	78	136			
Chlorodibromomethane	5.12	ug/L	1.0	102	72	136			
Chloroethane	4.24	ug/L	1.0	85	64	136			
Chloroform	4.52	ug/L	1.0	90	69	133			
Chloromethane	4.16	ug/L	1.0	83	63	149			
1,2-Dibromo-3-chloropropane	6.20	ug/L	1.0	124	63	125			
1,2-Dibromoethane	4.96	ug/L	1.0	99	75	131			
Dibromomethane	4.64	ug/L	1.0	93	72	133			
1,2-Dichlorobenzene	5.12	ug/L	1.0	102	78	129			
1,4-Dichlorobenzene	4.96	ug/L	1.0	99	78	131			
trans-1,4-Dichloro-2-butene	4.56	ug/L	1.0	91	50	142			
Dichlorodifluoromethane	4.72	ug/L	1.0	94	55	141			
1,1-Dichloroethane	4.32	ug/L	1.0	86	72	130			
1,2-Dichloroethane	4.48	ug/L	1.0	90	57	146			
1,1-Dichloroethene	4.40	ug/L	1.0	88	66	142			
cis-1,2-Dichloroethene	4.68	ug/L	1.0	94	74	133			
trans-1,2-Dichloroethene	4.72	ug/L	1.0	94	76	138			
1,2-Dichloropropane	4.24	ug/L	1.0	85	72	135			
cis-1,3-Dichloropropene	4.92	ug/L	1.0	98	75	132			
trans-1,3-Dichloropropene	5.36	ug/L	1.0	107	77	145			
Ethylbenzene	4.40	ug/L	1.0	88	78	131			
2-Hexanone	48.8	ug/L	20	98	72	131			
Iodomethane	4.72	ug/L	1.0	94	66	132			
Methyl ethyl ketone	46.4	ug/L	20	93	55	145			
Methyl isobutyl ketone	46.4	ug/L	20	93	73	129			
Methylene chloride	4.76	ug/L	1.0	95	73	126			
Styrene	4.72	ug/L	1.0	94	76	134			
1,1,1,2-Tetrachloroethane	4.76	ug/L	1.0	95	75	135			
1,1,2,2-Tetrachloroethane	5.12	ug/L	1.0	102	72	132			
Tetrachloroethene	4.64	ug/L	1.0	93	78	137			
Toluene	4.44	ug/L	1.0	89	78	134			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/22/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R109506
Sample ID: lcs041808	Laboratory Control Sample				Run: 5971A.I_080418A				04/18/08 11:14
1,1,1-Trichloroethane	4.40	ug/L	1.0	88	64	141			
1,1,2-Trichloroethane	5.04	ug/L	1.0	101	72	133			
Trichloroethene	4.72	ug/L	1.0	94	75	138			
Trichlorofluoromethane	4.16	ug/L	1.0	83	58	139			
1,2,3-Trichloropropane	4.28	ug/L	1.0	86	67	133			
Vinyl acetate	5.40	ug/L	1.0	108	31	124			
Vinyl chloride	4.84	ug/L	1.0	97	66	140			
m+p-Xylenes	8.92	ug/L	1.0	89	78	133			
o-Xylene	4.72	ug/L	1.0	94	79	136			
Surr: 1,2-Dichloroethane-d4			1.0	97	70	130			
Surr: Dibromofluoromethane			1.0	101	77	126			
Surr: p-Bromofluorobenzene			1.0	97	76	127			
Surr: Toluene-d8			1.0	90	79	122			
Sample ID: blk041808	Method Blank				Run: 5971A.I_080418A				04/18/08 12:33
Acetone	ND	ug/L	20						
Acrylonitrile	ND	ug/L	20						
Benzene	ND	ug/L	1.0						
Bromochloromethane	ND	ug/L	1.0						
Bromodichloromethane	ND	ug/L	1.0						
Bromoform	ND	ug/L	1.0						
Bromomethane	ND	ug/L	1.0						
Carbon disulfide	ND	ug/L	1.0						
Carbon tetrachloride	ND	ug/L	1.0						
Chlorobenzene	ND	ug/L	1.0						
Chlorodibromomethane	ND	ug/L	1.0						
Chloroethane	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0						
1,2-Dibromoethane	ND	ug/L	1.0						
Dibromomethane	ND	ug/L	1.0						
1,2-Dichlorobenzene	ND	ug/L	1.0						
1,4-Dichlorobenzene	ND	ug/L	1.0						
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0						
Dichlorodifluoromethane	ND	ug/L	1.0						
1,1-Dichloroethane	ND	ug/L	1.0						
1,2-Dichloroethane	ND	ug/L	1.0						
1,1-Dichloroethene	ND	ug/L	1.0						
cis-1,2-Dichloroethene	ND	ug/L	1.0						
trans-1,2-Dichloroethene	ND	ug/L	1.0						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/22/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R109506
Sample ID: blk041808	Method Blank				Run: 5971A.I_080418A				04/18/08 12:33
1,2-Dichloropropane	ND	ug/L	1.0						
cis-1,3-Dichloropropene	ND	ug/L	1.0						
trans-1,3-Dichloropropene	ND	ug/L	1.0						
Ethylbenzene	ND	ug/L	1.0						
2-Hexanone	ND	ug/L	20						
Iodomethane	ND	ug/L	1.0						
Methyl ethyl ketone	ND	ug/L	20						
Methyl isobutyl ketone	ND	ug/L	20						
Methylene chloride	ND	ug/L	1.0						
Styrene	ND	ug/L	1.0						
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0						
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0						
Tetrachloroethene	ND	ug/L	1.0						
Toluene	ND	ug/L	1.0						
1,1,1-Trichloroethane	ND	ug/L	1.0						
1,1,2-Trichloroethane	ND	ug/L	1.0						
Trichloroethene	ND	ug/L	1.0						
Trichlorofluoromethane	ND	ug/L	1.0						
1,2,3-Trichloropropane	ND	ug/L	1.0						
Vinyl acetate	ND	ug/L	1.0						
Vinyl chloride	ND	ug/L	1.0						
m+p-Xylenes	ND	ug/L	1.0						
o-Xylene	ND	ug/L	1.0						
Xylenes, Total	ND	ug/L	1.0						
Surr: 1,2-Dichloroethane-d4			1.0	95	70	130			
Surr: Dibromofluoromethane			1.0	100	77	126			
Surr: p-Bromofluorobenzene			1.0	95	76	127			
Surr: Toluene-d8			1.0	91	79	122			
Sample ID: B08041496-001Ems	Sample Matrix Spike				Run: 5971A.I_080418A				04/18/08 21:04
Acetone	44.8	ug/L	20	90	62	130			
Acrylonitrile	46.8	ug/L	20	94	60	130			
Benzene	5.00	ug/L	1.0	100	71	133			
Bromochloromethane	5.16	ug/L	1.0	103	68	131			
Bromodichloromethane	4.76	ug/L	1.0	95	67	138			
Bromoform	5.08	ug/L	1.0	102	64	136			
Bromomethane	3.83	ug/L	1.0	77	60	138			
Carbon disulfide	4.64	ug/L	1.0	93	46	146			
Carbon tetrachloride	4.68	ug/L	1.0	94	61	144			
Chlorobenzene	4.96	ug/L	1.0	99	78	136			
Chlorodibromomethane	5.08	ug/L	1.0	102	72	136			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/22/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R109506
Sample ID: B08041496-001Ems	Sample Matrix Spike				Run: 5971A.I_080418A				04/18/08 21:04
Chloroethane	4.44	ug/L	1.0	89	64	136			
Chloroform	4.68	ug/L	1.0	94	69	133			
Chloromethane	4.40	ug/L	1.0	88	63	149			
1,2-Dibromo-3-chloropropane	5.68	ug/L	1.0	114	63	125			
1,2-Dibromoethane	5.12	ug/L	1.0	102	75	131			
Dibromomethane	4.88	ug/L	1.0	98	72	133			
1,2-Dichlorobenzene	5.12	ug/L	1.0	102	78	129			
1,4-Dichlorobenzene	5.64	ug/L	1.0	97	78	132			
trans-1,4-Dichloro-2-butene	3.55	ug/L	1.0	71	50	142			
Dichlorodifluoromethane	5.12	ug/L	1.0	102	55	141			
1,1-Dichloroethane	4.56	ug/L	1.0	91	72	130			
1,2-Dichloroethane	4.88	ug/L	1.0	98	57	146			
1,1-Dichloroethene	4.68	ug/L	1.0	94	66	142			
cis-1,2-Dichloroethene	5.52	ug/L	1.0	94	74	133			
trans-1,2-Dichloroethene	5.00	ug/L	1.0	100	76	138			
1,2-Dichloropropane	4.64	ug/L	1.0	93	72	135			
cis-1,3-Dichloropropene	5.12	ug/L	1.0	102	75	132			
trans-1,3-Dichloropropene	5.28	ug/L	1.0	106	77	145			
Ethylbenzene	4.72	ug/L	1.0	94	78	131			
2-Hexanone	46.8	ug/L	20	94	72	131			
Iodomethane	4.76	ug/L	1.0	95	66	132			
Methyl ethyl ketone	48.4	ug/L	20	97	55	145			
Methyl isobutyl ketone	44.0	ug/L	20	88	73	129			
Methylene chloride	4.76	ug/L	1.0	95	73	126			
Styrene	4.84	ug/L	1.0	97	76	134			
1,1,1,2-Tetrachloroethane	5.00	ug/L	1.0	100	75	135			
1,1,2,2-Tetrachloroethane	4.96	ug/L	1.0	99	72	132			
Tetrachloroethene	4.96	ug/L	1.0	99	78	137			
Toluene	4.88	ug/L	1.0	98	78	134			
1,1,1-Trichloroethane	4.68	ug/L	1.0	94	64	141			
1,1,2-Trichloroethane	4.32	ug/L	1.0	86	72	133			
Trichloroethene	4.88	ug/L	1.0	98	75	138			
Trichlorofluoromethane	4.48	ug/L	1.0	90	58	139			
1,2,3-Trichloropropane	4.56	ug/L	1.0	91	67	133			
Vinyl acetate	5.08	ug/L	1.0	102	42	120			
Vinyl chloride	5.68	ug/L	1.0	114	66	140			
m+p-Xylenes	9.64	ug/L	1.0	96	78	133			
o-Xylene	4.96	ug/L	1.0	99	79	136			
Xylenes, Total	14.6	ug/L	1.0	97	70	130			
Surr: 1,2-Dichloroethane-d4			1.0	97	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/22/08
Work Order: B08041496

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R109506
Sample ID: B08041496-001Ems	Sample Matrix Spike				Run: 5971A.I_080418A				04/18/08 21:04
Surr: Dibromofluoromethane			1.0	101	77	126			
Surr: p-Bromofluorobenzene			1.0	95	76	127			
Surr: Toluene-d8			1.0	98	79	122			
Sample ID: B08041496-001Emsd	Sample Matrix Spike Duplicate				Run: 5971A.I_080418A				04/18/08 21:48
Acetone	47.2	ug/L	20	94	62	130	5.2	20	
Acrylonitrile	50.4	ug/L	20	101	60	130	7.4	20	
Benzene	5.04	ug/L	1.0	101	71	133	0.8	20	
Bromochloromethane	5.32	ug/L	1.0	106	68	131	3.1	20	
Bromodichloromethane	4.64	ug/L	1.0	93	67	138	2.6	20	
Bromoform	5.08	ug/L	1.0	102	64	136	0.0	20	
Bromomethane	4.36	ug/L	1.0	87	60	138	13	20	
Carbon disulfide	4.64	ug/L	1.0	93	46	146	0.0	20	
Carbon tetrachloride	4.76	ug/L	1.0	95	61	144	1.7	20	
Chlorobenzene	4.88	ug/L	1.0	98	78	136	1.6	20	
Chlorodibromomethane	5.12	ug/L	1.0	102	72	136	0.8	20	
Chloroethane	4.64	ug/L	1.0	93	64	136	4.4	20	
Chloroform	4.60	ug/L	1.0	92	69	133	1.7	20	
Chloromethane	4.40	ug/L	1.0	88	63	149	0.0	20	
1,2-Dibromo-3-chloropropane	5.92	ug/L	1.0	118	63	125	4.1	20	
1,2-Dibromoethane	5.08	ug/L	1.0	102	75	131	0.8	20	
Dibromomethane	4.80	ug/L	1.0	96	72	133	1.7	20	
1,2-Dichlorobenzene	5.16	ug/L	1.0	103	78	129	0.8	20	
1,4-Dichlorobenzene	5.64	ug/L	1.0	97	78	132	0.0	20	
trans-1,4-Dichloro-2-butene	3.95	ug/L	1.0	79	50	142	11	20	
Dichlorodifluoromethane	5.20	ug/L	1.0	104	55	141	1.6	20	
1,1-Dichloroethane	4.60	ug/L	1.0	92	72	130	0.9	20	
1,2-Dichloroethane	4.76	ug/L	1.0	95	57	146	2.5	20	
1,1-Dichloroethene	4.56	ug/L	1.0	91	66	142	2.6	20	
cis-1,2-Dichloroethene	5.40	ug/L	1.0	91	74	133	2.2	20	
trans-1,2-Dichloroethene	5.00	ug/L	1.0	100	76	138	0.0	20	
1,2-Dichloropropane	4.64	ug/L	1.0	93	72	135	0.0	20	
cis-1,3-Dichloropropene	4.96	ug/L	1.0	99	75	132	3.2	20	
trans-1,3-Dichloropropene	5.36	ug/L	1.0	107	77	145	1.5	20	
Ethylbenzene	4.80	ug/L	1.0	96	78	131	1.7	20	
2-Hexanone	47.2	ug/L	20	94	72	131	0.9	20	
Iodomethane	4.80	ug/L	1.0	96	66	132	0.8	20	
Methyl ethyl ketone	48.8	ug/L	20	98	55	145	0.8	20	
Methyl isobutyl ketone	44.0	ug/L	20	88	73	129	0.0	20	
Methylene chloride	4.84	ug/L	1.0	97	73	126	1.7	20	
Styrene	4.76	ug/L	1.0	95	76	134	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Richland County Health Dept
Project: Landfill 102 April 12 13 2008

Report Date: 04/22/08
Work Order: B08041496

Analyte	**Result**	**Units**	**RL**	**%REC**	**Low Limit**	**High Limit**	**RPD**	**RPDLimit**	**Qual**
Method: SW8260B								Batch: R109506	
Sample ID: B08041496-001Emsd	Sample Matrix Spike Duplicate				Run: 5971A.I_080418A			04/18/08 21:48	
1,1,1,2-Tetrachloroethane	4.96	ug/L	1.0	99	75	135	0.8	20	
1,1,2,2-Tetrachloroethane	5.20	ug/L	1.0	104	72	132	4.7	20	
Tetrachloroethene	4.84	ug/L	1.0	97	78	137	2.4	20	
Toluene	4.72	ug/L	1.0	94	78	134	3.3	20	
1,1,1-Trichloroethane	4.56	ug/L	1.0	91	64	141	2.6	20	
1,1,2-Trichloroethane	4.32	ug/L	1.0	86	72	133	0.0	20	
Trichloroethene	4.76	ug/L	1.0	95	75	138	2.5	20	
Trichlorofluoromethane	4.48	ug/L	1.0	90	58	139	0.0	20	
1,2,3-Trichloropropane	4.76	ug/L	1.0	95	67	133	4.3	20	
Vinyl acetate	5.08	ug/L	1.0	102	42	120	0.0	20	
Vinyl chloride	5.44	ug/L	1.0	109	66	140	4.3	20	
m+p-Xylenes	9.60	ug/L	1.0	96	78	133	0.4	20	
o-Xylene	4.88	ug/L	1.0	98	79	136	1.6	20	
Xylenes, Total	14.5	ug/L	1.0	97	70	130	0.8	20	
Surr: 1,2-Dichloroethane-d4			1.0	97	70	130			
Surr: Dibromofluoromethane			1.0	101	77	126			
Surr: p-Bromofluorobenzene			1.0	98	76	127			
Surr: Toluene-d8			1.0	97	79	122			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916
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Energy Laboratories Inc
Workorder Receipt Checklist

Richland County Health Dept

B08041496

Login completed by: Gina McCartney	Date and Time Received: 4/15/2008 9:00 AM
Reviewed by: Staci Fread	Received by: lg
Reviewed Date: 4/15/2008 3:46:00 PM	Carrier name: Return-UPS Ground

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	4°C On Ice
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: Richland County

Project Name, PWS, Permit, Etc.: landfill #102 April 12/13-2008

Sample Origin State:

EPA/State Compliance: Yes ☐ No ☐

Report Mail Address: 221 5th st. S.W.

Contact Name: Kelly Logan

Phone/Fax:

Email: KLogan@richland.org

Sampler: (Please Print)

Invoice Address: Sidney MT 59270

Invoice Contact & Phone: 406-480-9222

Purchase Order:

Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW
☐ GSA
☐ POTW/WWTP
☐ State: ________
☐ Other: ________
☐ A2LA
☐ EDD/EDT(Electronic Data)
Format: ________
☐ LEVEL IV
☐ NELAC

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids
Vegetation Bioassay Other

ANALYSIS REQUESTED: nutrients, VOC's, Iron, metals, cyanide

SEE ATTACHED

Normal Turnaround (TAT)

R U S H

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments: Table 1 Landfill List.

Shipped by: Rtrn UPS Grd

Cooler ID(s): X 2

Receipt Temp 4 °C

On Ice: [✓ Yes] No

Custody Seal Y [✓ N]
Intact Y [✓ N]
Signature Match Y [✓ N]

		SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	LABORATORY USE ONLY
1	1	SL-1	4-12	1550	W	B08041496-001
2	2	SL-3	4-12	1703		-002
2	3	SL-4	4-12	1917		-003
1	4	S-3	4-13	1230		-004
1	5	SL-2		1455		-005
1	6	SL-5		1400		-006
1	7	Lamphier		1515		-007
2	8	DUP	4-13	—	W	-008
		TB1 JMatteson 4/4/08 SHP0234				-009
		TB2 JMatteson 4/4/08 SHP0234				-010

Custody Record MUST be Signed

Relinquished by (print): KL	Date/Time: 4/14/08 @1330	Signature: Kelly Logan	Received by (print):	Date/Time:	Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal:	Return to Client: ________	Lab Disposal: ________	Received by Laboratory:	Date/Time: 4-15-08 9:00	Signature: Lisa Gamenze

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Oxford.
Esselte
10% P5

Van Oort, Martin

From: Kelly Logan [klogan@richland.org]
Sent: Wednesday, July 21, 2010 10:38 AM
To: Van Oort, Martin
Subject: landfill sampling

Decided to sample wells SL-3, SL-4 and SL-6 thru SL-9 this weekend. After the additional wells are drilled this coming week, I will sample the wells after they are purged. The next sampling would be in October during our regular sampling run. If that sounds OK?

Kelly